

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-16532	
1b. TYPE OF WELL		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A	
2. NAME OF OPERATOR Newfield Production Company		8. FARM OR LEASE NAME N/A	
3. ADDRESS AND TELEPHONE NUMBER: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721		9. WELL NO. State #3-16-9-16	
4. LOCATION OF WELL (FOOTAGE) At Surface NE/NW 660' FNL 1990' FWL 40, 036 295 At proposed Producing Zone 574564X 4431941Y - 110.126034		10. FIELD AND POOL OR WILDCAT Monument Butte	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 21.7 miles southwest of Myton, UT		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NW Sec. 16, T9S, R16E	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) Approx. 660' f/lse line and NA' f/unit line	16. NO. OF ACRES IN LEASE 640.00	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approximately 1175'	19. PROPOSED DEPTH 6500'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5841' GL		22. APPROX. DATE WORK WILL START* 1st Quarter 2008	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	298' 400'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
See Detail Below				

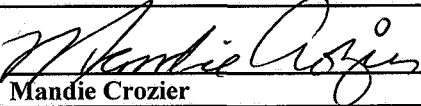
DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

***The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:**

SURFACE PIPE - 155 sx Class G Cement +/- 10%, w/ 2% CaCl₂ & 1/4#/sk Cello-flake
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H₂O Req: 5 gal/sk

LONG STRING - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H₂O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H₂O Req: 7.88 gal/sk

24. Name & Signature 	Title: Regulatory Specialist	Date: 11/19/2007
---	-------------------------------------	-------------------------

(This space for State use only)

API Number Assigned: **43-013-33847**

APPROVAL: _____

**Approved by the
Utah Division of
Oil, Gas and Mining**

*See Instructions On Reverse Side

Date: **01-24-08**

By: 

RECEIVED

NOV 29 2007

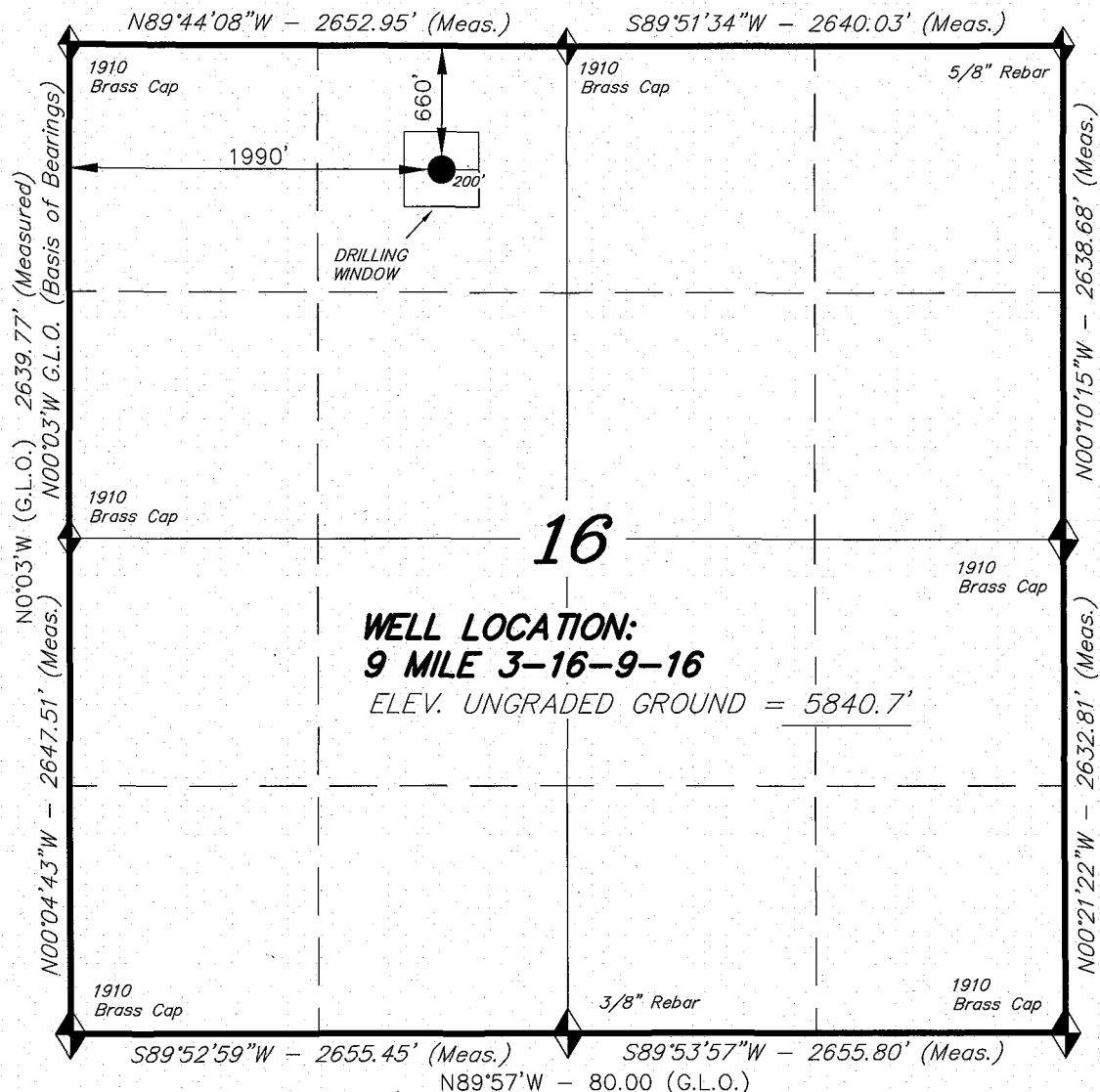
DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.

N89°50'W - 80.24 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 3-16-9-16,
LOCATED AS SHOWN IN THE NE 1/4 NW
1/4 OF SECTION 16, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

THAT THE ABOVE PLAT WAS
FILED FOR RECORD OF ACTUAL SURVEY
UNDER MY SUPERVISION AND
IS CORRECT TO THE BEST OF MY
BELIEF. No. 189377

REGISTERED LAND SURVEYOR

STACY W.
STEWART

REGISTERED LAND SURVEYOR
A. C. No. 189377

STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. — VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED:
10-11-07


SURVEYED BY: C.M.

DATE DRAWN:
11-01-07

DRAWN BY: F.T.M.

REVISÉ:

SCALE: 1" = 1000'

 = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 3-16-9-16
(Surface Location) NAD 83
LATITUDE = 40° 02' 10.61"
LONGITUDE = 110° 07' 35.94"

NEWFIELD PRODUCTION COMPANY
STATE #3-16-9-16
NE/NW SECTION 16, T9S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1700'
Green River	1700'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at ^{400'}~~290'~~ (New)
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

A fresh water/polymer system will be utilized to drill the well. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Newfield requests a variance to regulations requiring a straight run blooie line. Newfield proposes that the flowline will contain two (2) 90-degree turns. Newfield also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Newfield requests authorization to ignite as needed, and the flowline at 80'.

Newfield Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM

Surface – 3200'
3200' – TD'

MUD TYPE

fresh water system
fresh water system

From surface to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ ^{400'}~~290'~~ +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2008, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
STATE #3-16-9-16
NE/NW SECTION 16, T9S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site State #3-16-9-16 located in the NE¼ NW¼ Section 16, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.4 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.7 miles to its junction with an existing road to the southwest; proceed southwesterly approximately 9.7 miles to its junction with an existing road to the southeast; proceed southeasterly approximately 0.3 miles to its junction with an existing road to the northeast; proceed northeasterly approximately 5.1 miles to its junction with an existing road to the southwest; proceed southwesterly approximately 1.8 miles to its junction with an existing road to the northwest; proceed in a northwesterly direction approximately 1.4 miles to its junction with the beginning of the proposed access road to the south; proceed southerly along the proposed access road approximately 1210'; proceed in a westerly direction approximately along the proposed access road approximately 380' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 1,590' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey Report is attached. **Refer to Exhibit "D".**

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the State 3-16-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the State 3-16-9-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

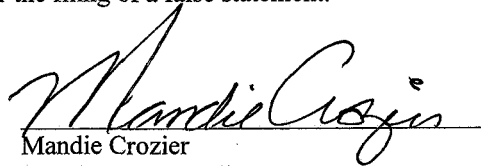
Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #3-16-9-16, NE/NW Section 16, T9S, R16E, LEASE #ML-16532, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

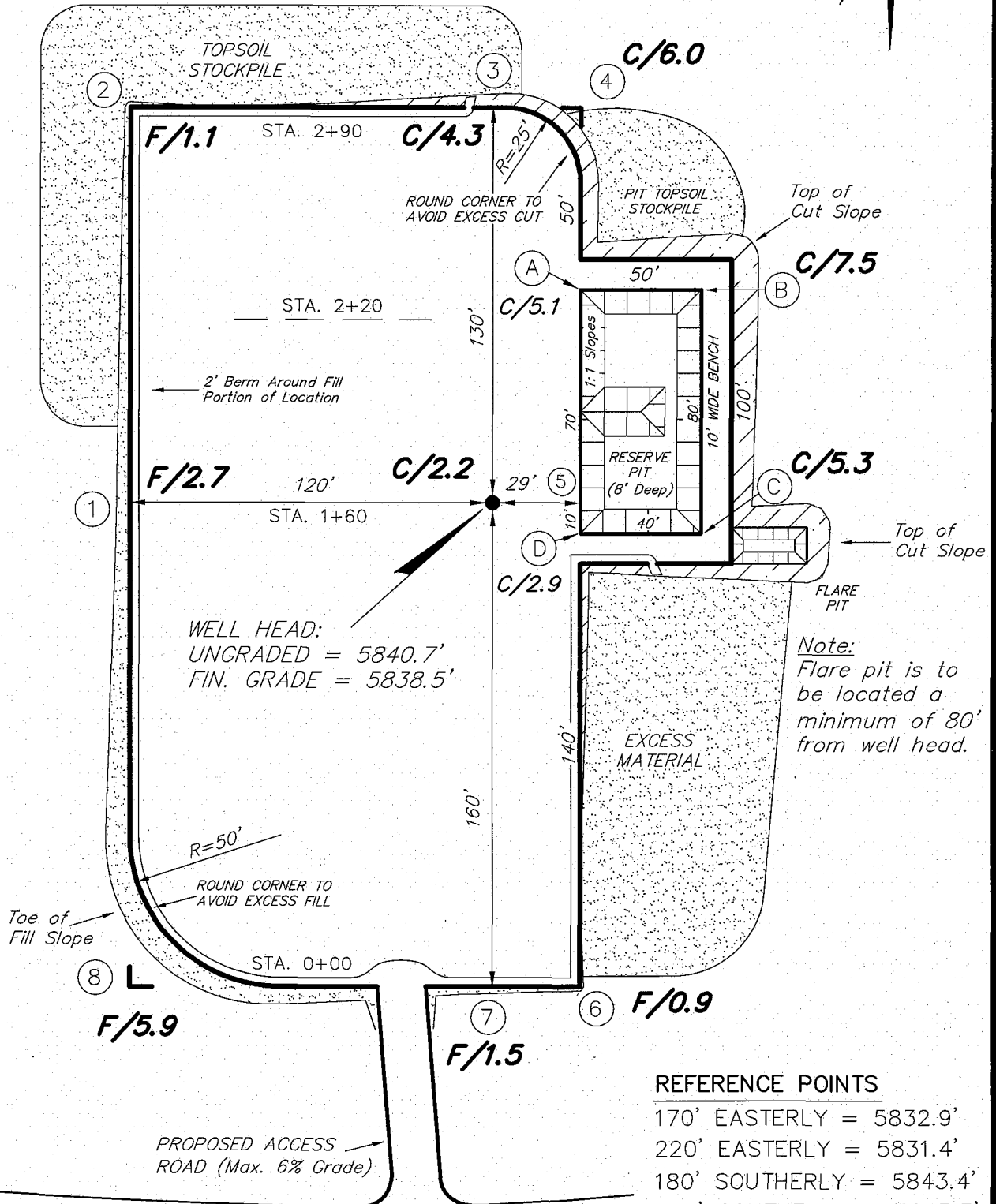
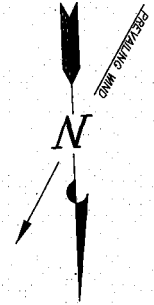
11/19/07
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 3-16-9-16

Section 16, T9S, R16E, S.L.B.&M.



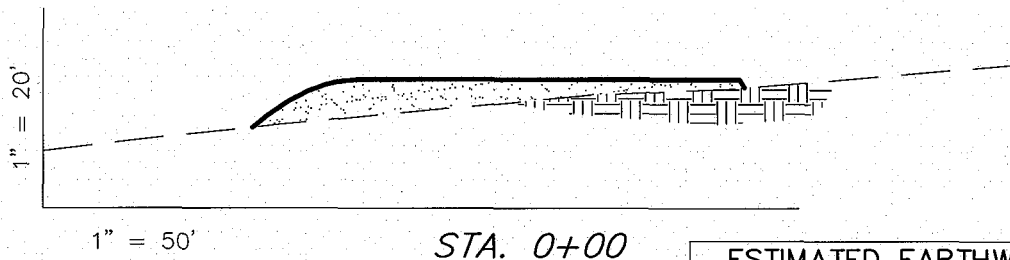
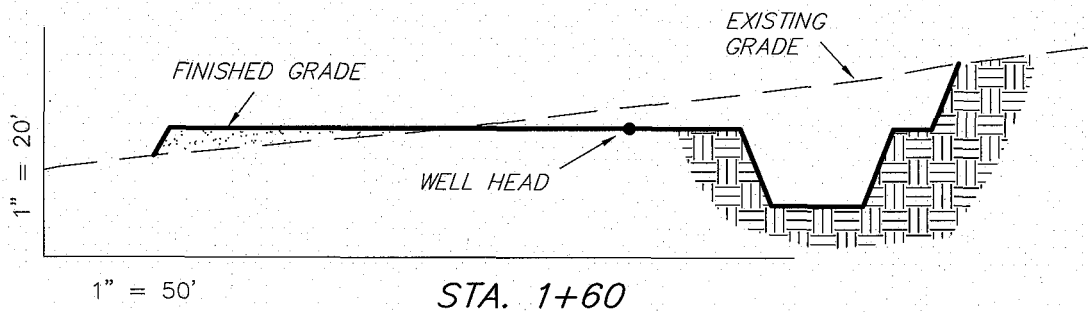
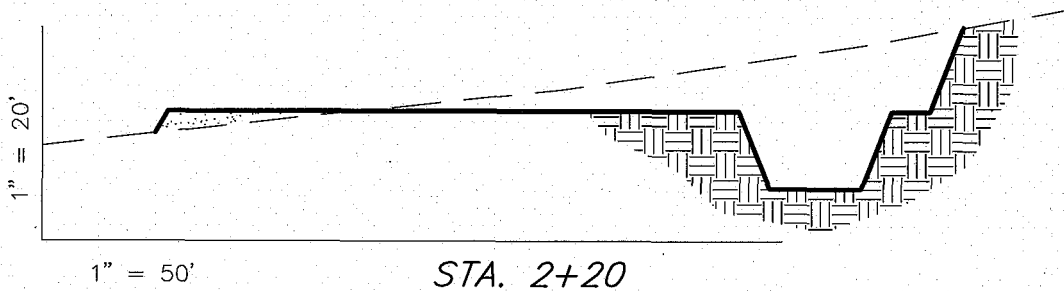
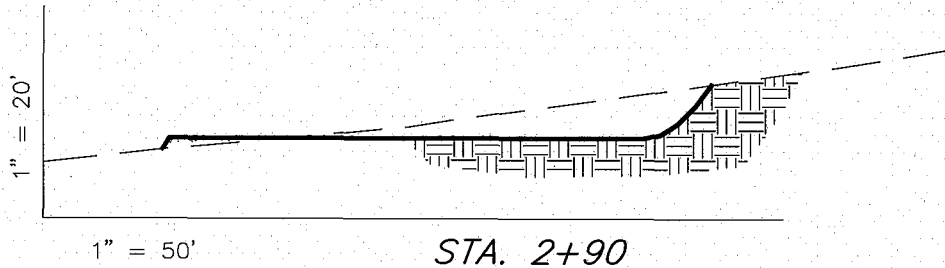
Existing Road

SURVEYED BY: C.M.	DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-07
SCALE: 1" = 50'	REVISED:

Tri State
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS 9 MILE 3-16-9-16



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

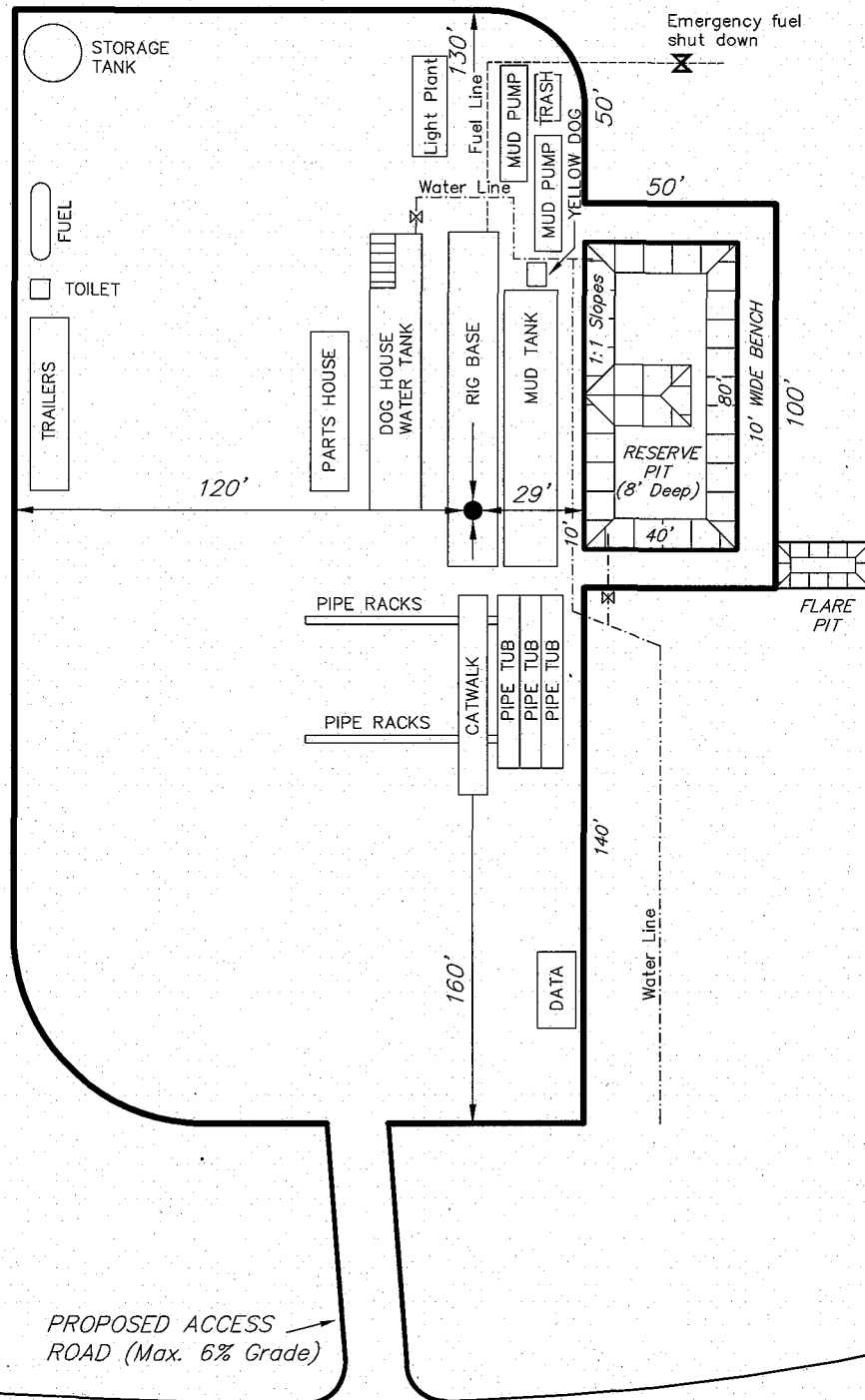
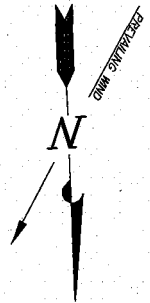
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,230	2,230	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,870	2,230	970	640

SURVEYED BY: C.M. DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M. DATE DRAWN: 11-01-07
SCALE: 1" = 50' REVISED:

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

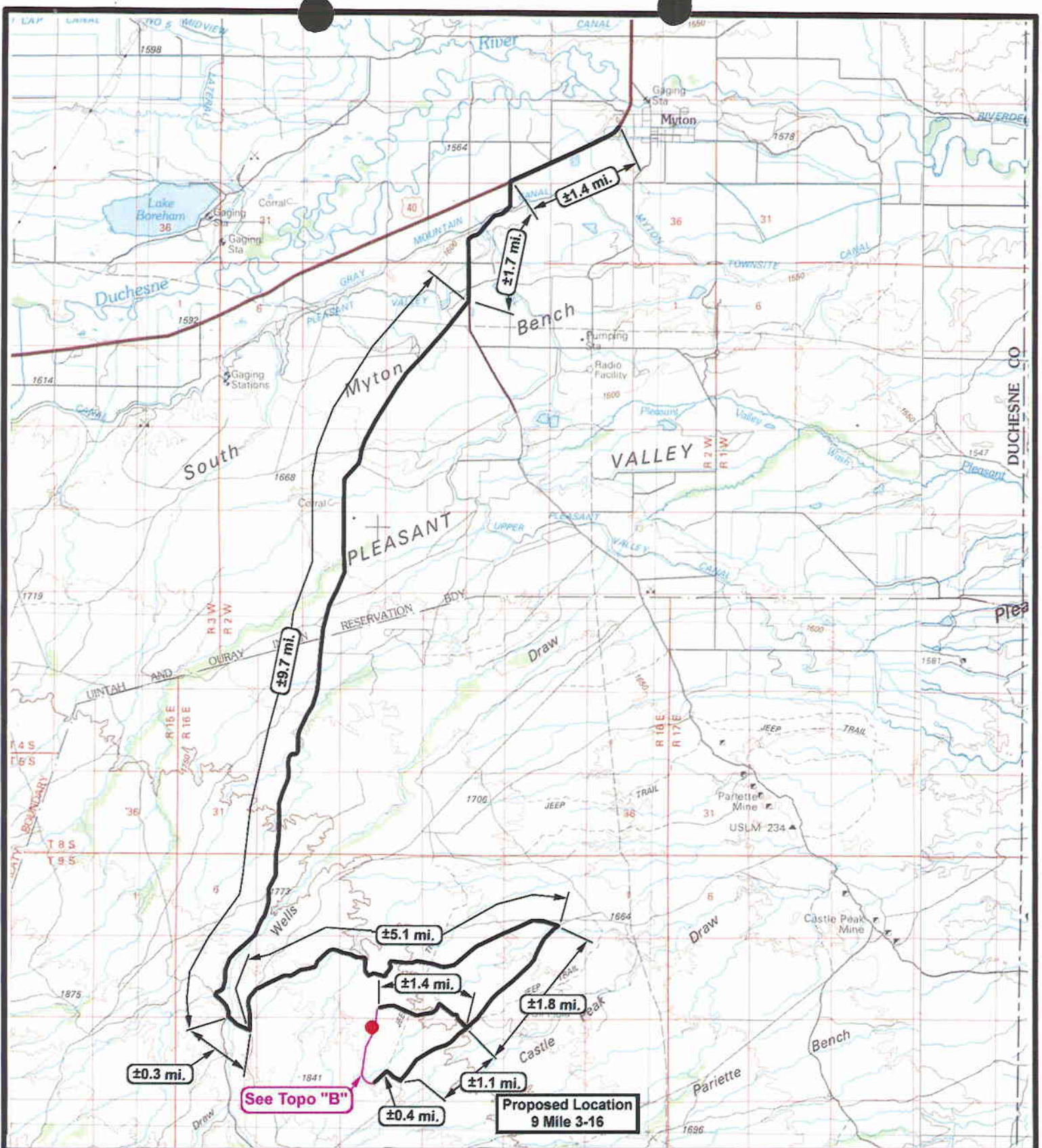
TYPICAL RIG LAYOUT 9 MILE 3-16-9-16




Existing Road

SURVEYED BY: C.M.	DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-07
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE., VERNAL, UTAH 84078





NEWFIELD
Exploration Company

9 Mile 3-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.





Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 11-02-2007

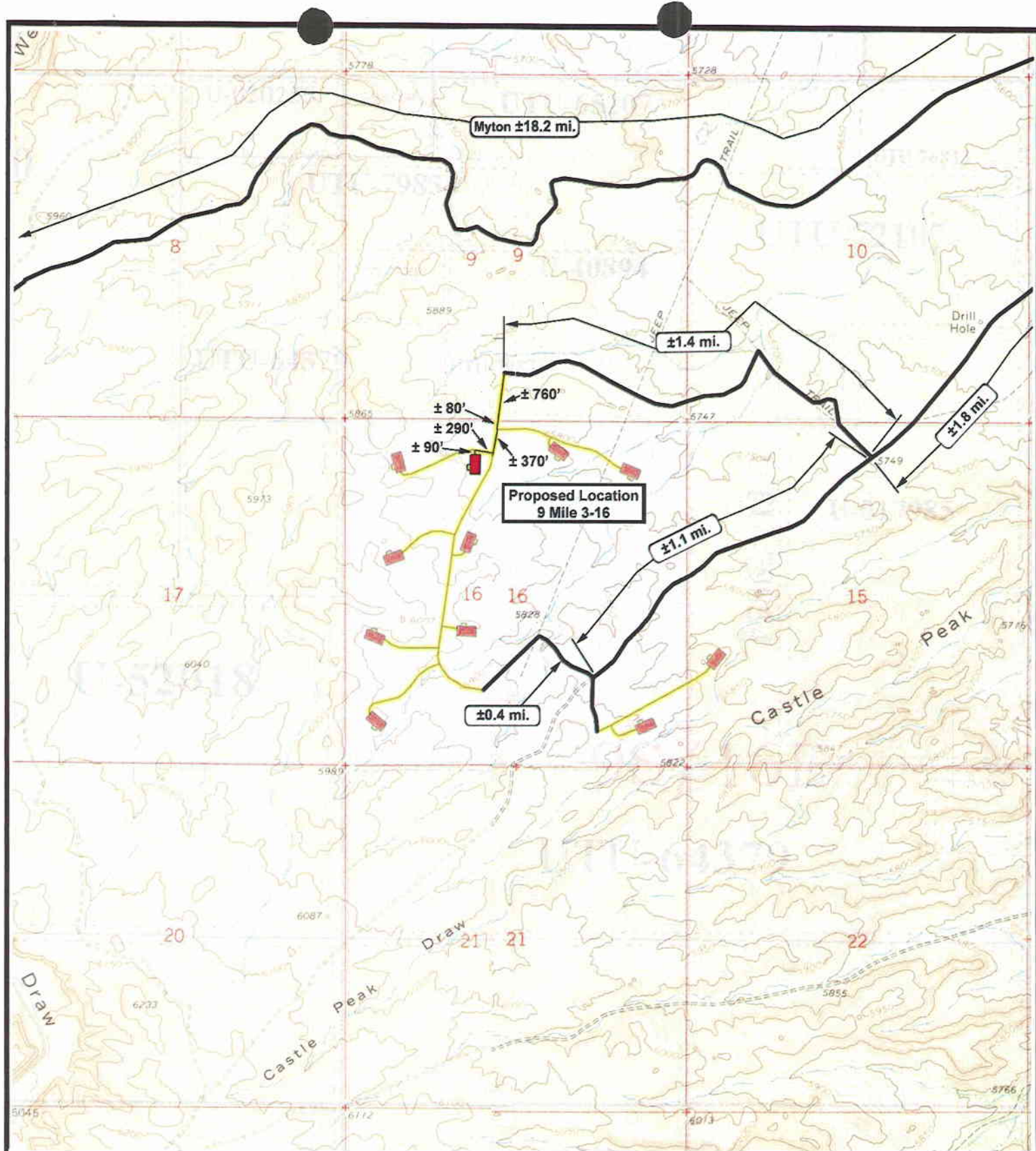
Legend

Existing Road

Proposed Access

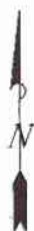
TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

9 Mile 3-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



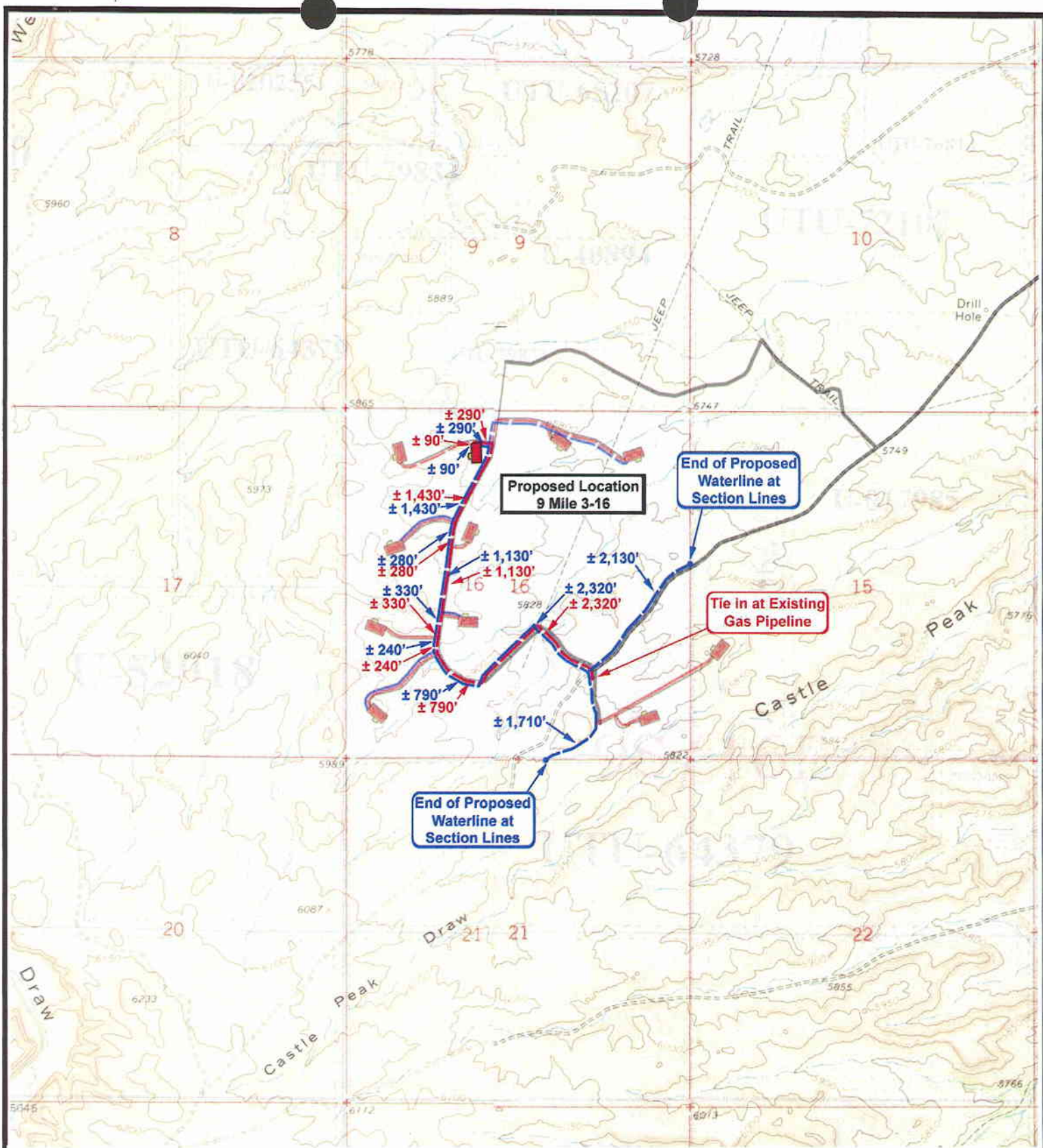
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

9 Mile 3-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

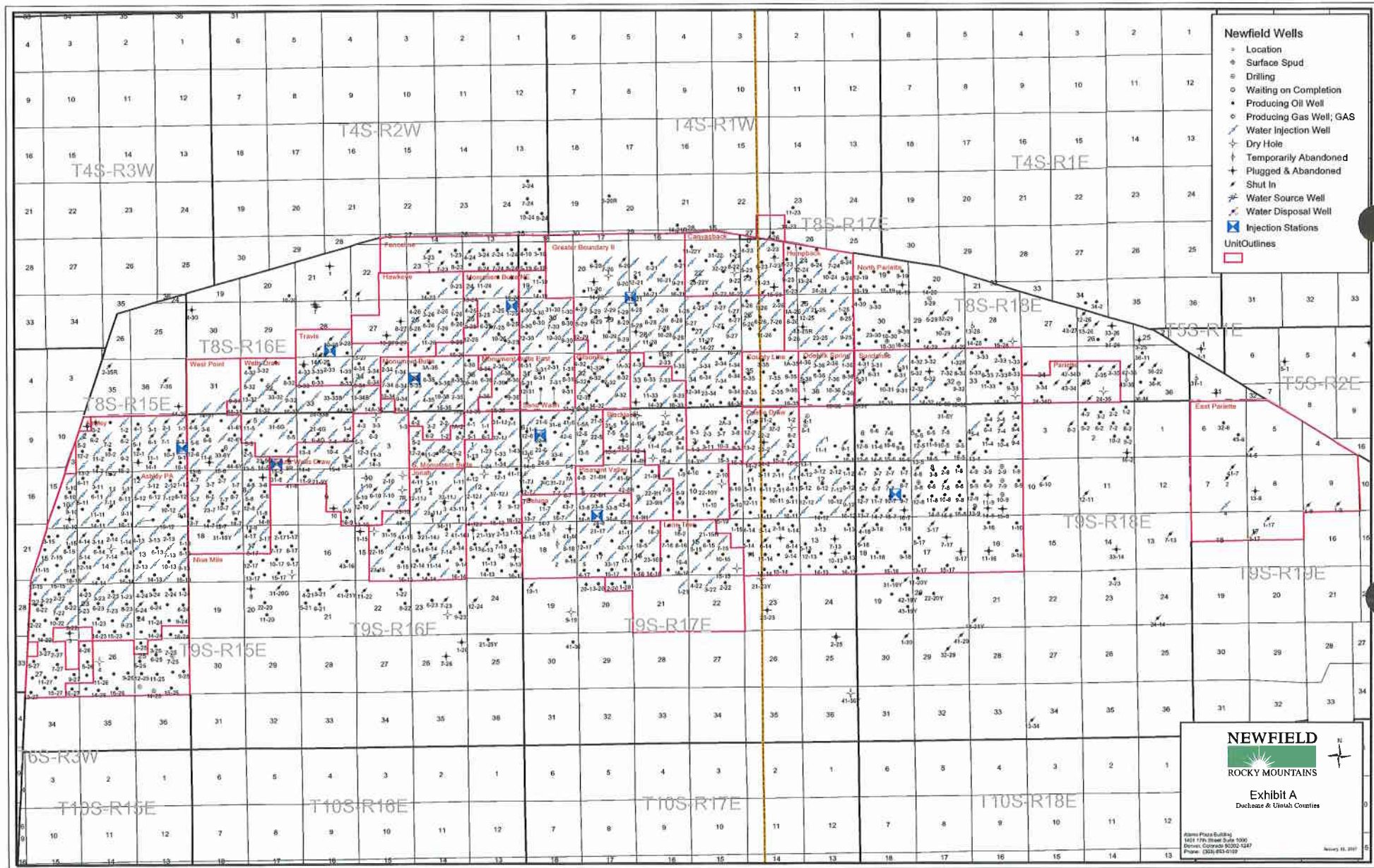
DATE: 11-02-2007

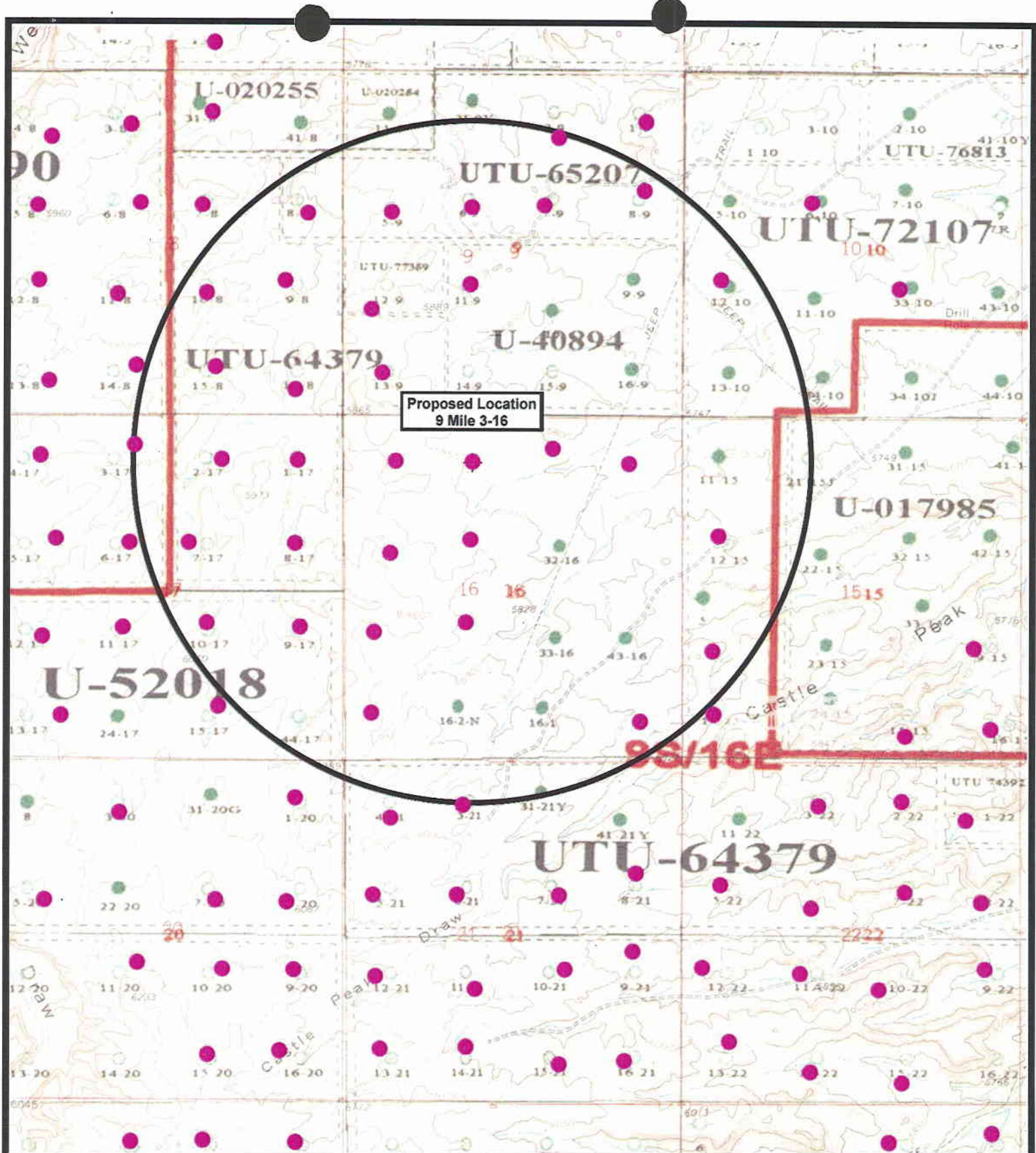
Legend

- Roads
- Proposed Gas Line
- Proposed Water Line

TOPOGRAPHIC MAP

"C"





NEWFIELD
Exploration Company

9 Mile 3-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend

● Location
○ One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

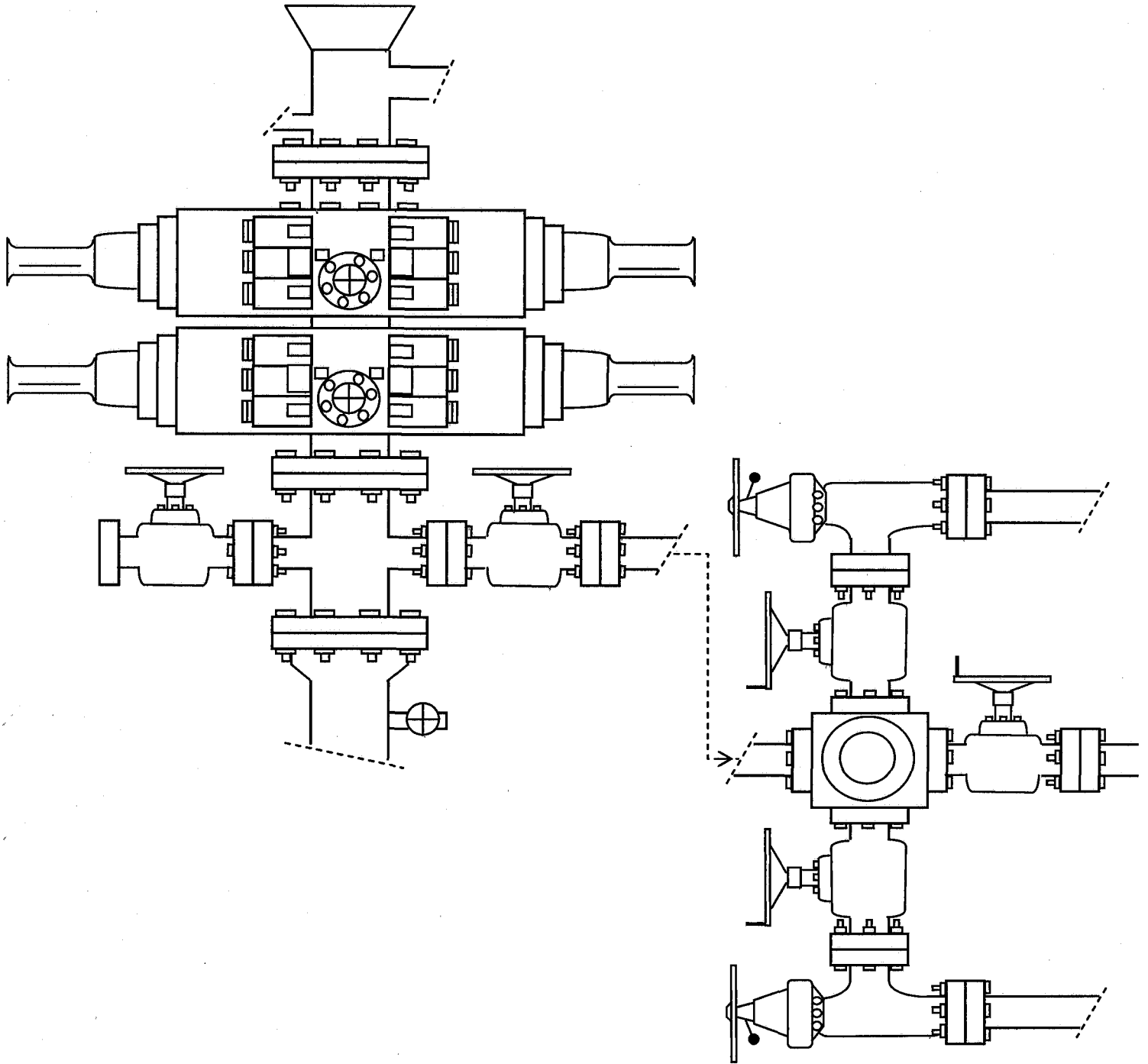


EXHIBIT C

Exhibit "D"

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S TEN 40 ACRE PARCELS IN
TOWNSHIP 9S, RANGE 16E, SECTION 16
DUCHESNE COUNTY, UTAH

By:

Jacki A. Montgomery

Prepared For:

State of Utah
School & Institutional Trust Lands Administration
Salt Lake City

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, UT 84052

Submitted By:

Keith R. Montgomery
Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 07-348

October 31, 2007

United States Department of Interior (FLPMA)
Permit No. 07-UT-60122

State of Utah Public Lands Policy
Archaeological Survey Permit No. 117

State of Utah Antiquities Project (Survey)
Permit No. U-07-MQ-1297s

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/29/2007

API NO. ASSIGNED: 43-013-33847

WELL NAME: STATE 3-16-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NENW 16 090S 160E

SURFACE: 0660 FNL 1990 FWL

BOTTOM: 0660 FNL 1990 FWL

COUNTY: DUCHESNE

LATITUDE: 40.03630 LONGITUDE: -110.1260

UTM SURF EASTINGS: 574564 NORTHINGS: 4431941

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DRO	1/24/08
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-16532

SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

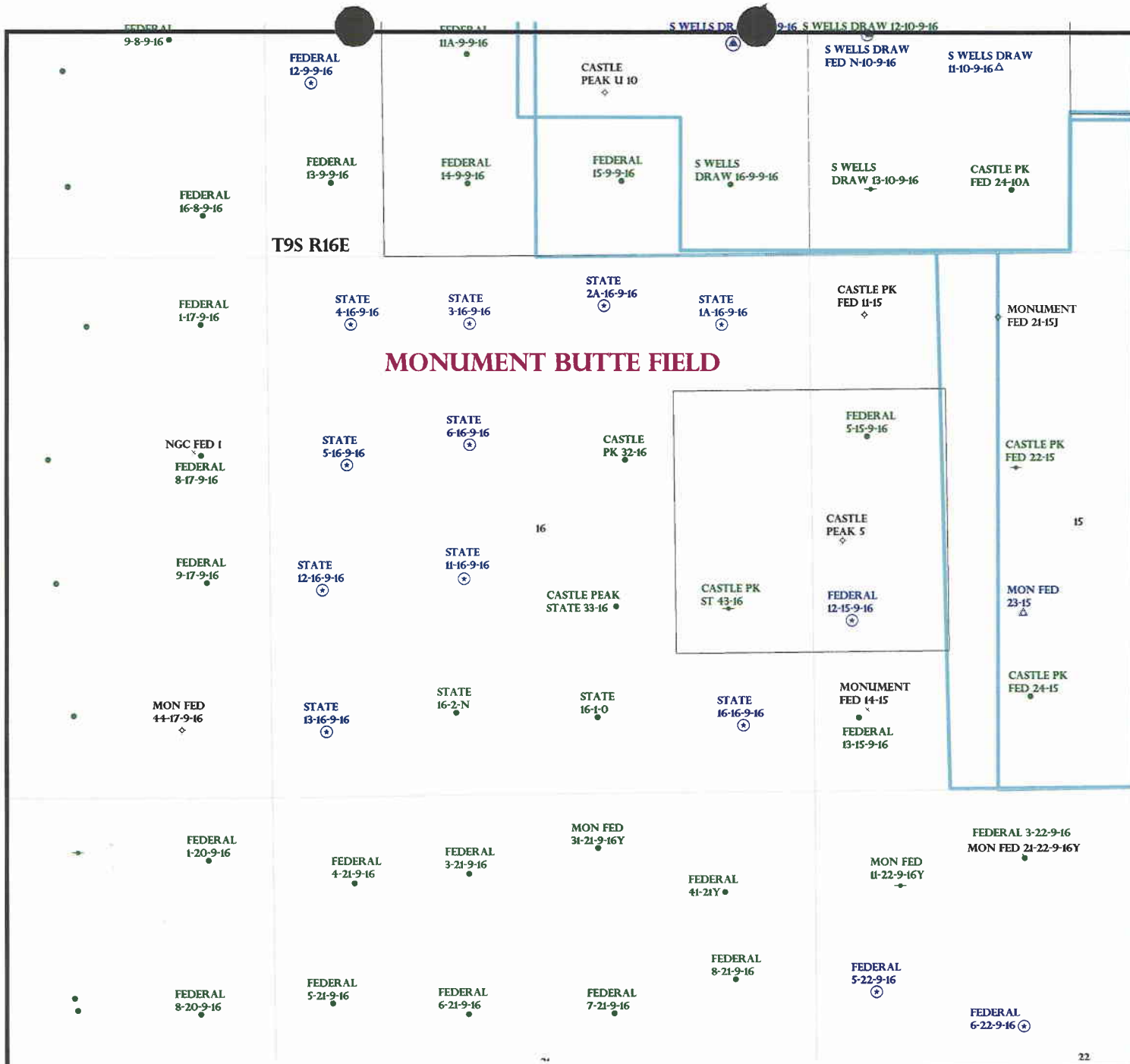
___ R649-2-3.
Unit: ___
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
___ Drilling Unit
Board Cause No: ___
Eff Date: ___
Siting: ___
___ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (12-13-07)

STIPULATIONS:

1- Spacing Strip
2- STATEMENT OF BASIS
3- Surf. Csg Cmt + Strip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 16 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON
DATE: 05-DECEMBER-2007

Application for Permit to Drill

Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
628	43-013-33847-00-00		OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	STATE 3-16-9-16		Unit		
Field	MONUMENT BUTTE		Type of Work		
Location	NENW 16 9S 16E S 660 FNL 1990 FWL GPS Coord (UTM) 574564E 4431941N				

Geologic Statement of Basis

Newfield proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,800'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought high enough to cover the estimated base of the moderately saline ground water.

Brad Hill

12/19/2007

APD Evaluator

Date / Time

Surface Statement of Basis

The general area is approximately 22 miles southwest of Myton, Utah in the upper Castle Peak area. Castle Peak Draw runs in a northeasterly direction about 14 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. No streams springs or seeps occur in the area. An occasional pond constructed to store runoff for livestock or wildlife exists. Drainages are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 21.7 miles. Construction of 380 feet of new road will be required.

The proposed State #3-16-9-16 oil well location is on the end of a slope of a ridge with the pit and location extending into a gentle flat with a slight slope to the northwest. The area slopes into a broad valley. A swale to the north will be missed by the location. No diversions are recommended. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. The area was covered with about 10 inches of snow during the evaluation. Both the surface and minerals are owned by SITLA.

Daniel Emmett representing the Utah Division of Wildlife Resources stated the area is classified as substantial value sage grouse brooding habitat and crucial yearlong antelope habitat. He ask Mr. Allred of Newfield and Mr. Davis of SITLA that they try to schedule construction and drilling around the critical period of March 1 to June 15th for sagegrouse brooding. No restrictions for the antelope were requested. No other wildlife are expected to be significantly affected. Mr. Emmett gave Mr. Allred of Newfield Production Company and Mr. Davis of SITLA a copy of his evaluation and also a seed mix recommendation to be used when the reserve pit and location are reclaimed.

Floyd Bartlett

12/13/2007

Onsite Evaluator

Date / Time

Application for Permit to Drill

Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

Page 2

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name STATE 3-16-9-16
API Number 43-013-33847-0 APD No 628 Field/Unit MONUMENT BUTTE
Location: 1/4,1/4 NENW Sec 16 Tw 9S Rng 16E 660 FNL 1990 FWL
GPS Coord (UTM) Surface Owner

Participants

Floyd Bartlett (DOGM), David Allred (Newfield Production Company), Cory Miller (Tri-State Land Surveying), Jim Davis (SITLA), Daniel Emmett (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The general area is approximately 22 miles southwest of Myton, Utah in the upper Castle Peak area. Castle Peak Draw runs in a northeasterly direction about 14 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. No streams springs or seeps occur in the area. An occasional pond constructed to store runoff for livestock or wildlife exists. Drainages are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 21.7 miles. Construction of 380 feet of new road will be required.

The proposed State #3-16-9-16 oil well location is on the end of a slope of a ridge with the pit and location extending into a gentle flat with a slight slope to the northwest. The area slopes into a broad valley. A swale to the north will be missed by the location. No diversions are recommended. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. The area was covered with about 10 inches of snow during the evaluation. Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.04	Width 199 Length 290	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Area was covered with snow. Vegetation is a Deseret shrub type. Identified or expected vegetation consisted of black sagebrush, shadscale, greasewood, mustard weed, rabbit brush, horsebrush, broom snakeweed, and spring annuals.

Cattle, prairie dogs, antelope, small mammals and birds. Golden eagle have been sited in the general area.

Soil Type and Characteristics

Moderately deep sandy clay loam with some surface rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run?

Paleo Potential Observed? N

Cultural Survey Run? Y

Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet) >200

0

Distance to Surface Water (feet) >1000

0

Dist. Nearest Municipal Well (ft) >5280

0

Distance to Other Wells (feet) 300 to 1320

10

Native Soil Type Mod permeability

10

Fluid Type Fresh Water

5

Drill Cuttings Normal Rock

0

Annual Precipitation (inches) <10

0

Affected Populations <10

0

Presence Nearby Utility Conduits Not Present

0

Final Score

25

Sensitivity Level

Characteristics / Requirements

A 40' x 80' x 8' deep reserve pit is planned in an area of cut on the southwest side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

Closed Loop Mud Required? N

Liner Required? Y

Liner Thickness 16

Pit Underlayment Required? Y

Other Observations / Comments

ATV's used to reach site. Site under 10 inches of snow.

Floyd Bartlett

Evaluator

12/13/2007

Date / Time

2008-01 Newfield State 3-10-9-16

Casing Schematic

BHP 2839 psi
anticipate 1800 psi

GOS 2059 psi, MASP

BOPE 2M

Burst 2950
70% 2065 psi

Max P @ Surf. shoe
1497 psi

8-5/8"
MW 8.4
Frac 19.3

Surface

12 7/8"

18 7/8"

TOC @
103

TOC @
153.

Surface
400. MD

Uinta
to surf w/ 3%
+ surf stip ✓
to surf w/ 11% w/o

1700' Green River

2800' ± BMSW

3740' TOC tail

✓ Adequately
1/24/08

5-1/2"
MW 8.4

Production
6500. MD

6500' Wasatch

BOPE REVIEW

Well Name	Newfield State 3-16-9-16 API# 43-013-33847
------------------	--

INPUT				
Well Name	Newfield State 3-16-9-16 API# 43-013-33847			
Casing Size (")	String 1	String 2	String 3	String 4
Setting Depth (TVD)	20	13 3/8		
Previous Shoe Setting Depth (TVD)	400	6500		
Max Mud Weight (ppg)	0	400	0	0
BOPE Proposed (psi)	8.4	8.4		
Casing Internal Yield (psi)	0	2000		
	2950	4810		

Calculations	String 1	20 "	
Max BHP [psi]	.052*Setting Depth*MW =		175
BOPE Adequate For Drilling And Setting Casing at Depth?			
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		127 NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		87 NO
*Can Full Expected Pressure Be Held At Previous Shoe?			
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		87 NO <i>No expected pressures to setting depth</i>
Required Casing/BOPE Test Pressure			400 psi
*Max Pressure Allowed @ Previous Casing Shoe =			0 psi *Assumes 1psi/ft frac gradient

Calculations	String 2	13 3/8 "	
Max BHP [psi]	.052*Setting Depth*MW =		2839
BOPE Adequate For Drilling And Setting Casing at Depth?			
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		2059 NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		1409 YES ✓
*Can Full Expected Pressure Be Held At Previous Shoe?			
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		1497 NO
Required Casing/BOPE Test Pressure			2000 psi
*Max Pressure Allowed @ Previous Casing Shoe =			400 psi *Assumes 1psi/ft frac gradient

Well name:

2008-01 Newfield State 3-16-9-16Operator: **Newfield Production Company**String type: **Surface**

Project ID:

43-013-33847Location: **Duchesne County****Design parameters:****Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 81 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 290 ft

Cement top: 153 ft

Burst

Max anticipated surface

pressure: 352 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 400 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 350 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,500 ft

Next mud weight: 8.400 ppg

Next setting BHP: 2,836 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 400 ft

Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	143
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	175	1370	7.849	400	2950	7.37	8	244	29.08 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: January 11, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

2008-01 Newfield State 3-16-9-16Operator: **Newfield Production Company**String type: **Production**

Project ID:

43-013-33847Location: **Duchesne County****Design parameters:****Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 166 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 103 ft

Burst

Max anticipated surface

pressure: 1,406 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 2,836 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 5,674 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	868.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2836	4040	1.424	2836	4810	1.70	88	217	2.47 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: January 11, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Helen Sadik-Macdonald - Newfield wells

From: "Hans Wychgram"
To:
Date: 01/09/2008 3:52 PM
Subject: Newfield wells
CC: "Brad Mecham" , "Mandie Crozier"

Helen,

As per our conversation this afternoon, Newfield agrees to set 400' of surface casing on the following wells:

State 3-16-9-16

State 4-16-9-16

State 5-16-9-16

State 6-16-9-16

State 11-16-9-16

State 12-16-9-16

State 13-16-9-16

State 16-16-9-16

Gilsonite L-32-8-17

Monument Butte F-36-8-16

Also, we discussed setting 300' of 20" conductor casing on the following deep gas wells:

Beluga 16T-5-9-17

Monument Butte 4-36T-8-16

Thanks,

Hans Wychgram

From: Ed Bonner
To: Mason, Diana
Date: 1/8/2008 12:05 PM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Jarvis, Dan

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

ConocoPhillips Company
Utah 29-574D (API 43 015 30735)

EOG Resources, Inc
CWU 956-32 (API 43 047 39515)

Kerr McGee Oil & Gas Onshore LP
NBU 1021-2N (API 43 047 38840)

Newfield Production Company
Wells Draw Fed C-5-9-16 (API 43 013 33753)
State 1A-16-9-16 (API 43 013 33845)
State 2A-16-9-16 (API 43 013 33846)
State 3-16-9-16 (API 43 013 33847)
State 4-16-9-16 (API 43 013 33848)
State 5-16-9-16 (API 43 013 33849)
State 6-16-9-16 (API 43 013 33850)
State 12-16-9-16 (API 43 013 33852)
State 13-16-9-16 (API 43 013 33853)
State 16-16-9-16 (API 43 013 33854)

Pioneer Natural Resources USA, Inc
Main Canyon State 12-16-15-23 (API 43 047 39695)
Main Canyon State 34-21-15-23 (API 43 047 39696)
Horse Point State 34-10-16-23 (API 43 019 31558)
Horse Point State 41-1-16-23 (API 43 019 31599)
Grand Canyon State 23-35-15.5-23 (API 43 019 31560)

If you have any questions regarding this matter please give me a call.



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

January 24, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: State 3-16-9-16 Well, 660' FNL, 1990' FWL, NE NW, Sec. 16, T. 9 South, R. 16 East,
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33847.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
SITLA



Operator: Newfield Production Company
Well Name & Number State 3-16-9-16
API Number: 43-013-33847
Lease: ML-16532

Location: NE NW Sec. 16 T. 9 South R. 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
7. Surface casing shall be cemented to the surface.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: STATE 3-16-9-16

Api No: 43-013-33847 Lease Type: STATE

Section 16 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

SPUDDED:

Date 02/28/ 08

Time 12:30 PM

How DRY

Drilling will Commence: _____

Reported by JIM SMITH

Telephone # (435) 823-2072

Date 02/28/08 Signed CHD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	16737	4301333847	STATE 3-16-9-16	NENW	16	9	16	DUCHESNE	2/28/2008	3/17/08
WELL 1 COMMENTS: <i>GRV</i>											
A	99999	16738	4301333339	FEDERAL 10-24-9-16	NWSE	24	9	16	DUCHESNE	2/28/2008	3/17/08
WELL 2 COMMENTS: <i>GRV</i>											
WELL 5 COMMENTS:											
WELL 6 COMMENTS:											

ACTION CODES (See Instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Tammi Lee
Signature

Tammi Lee

Production Clerk

03/05/08

Date

RECEIVED

MAR 05 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO. ML-16532
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME NA
2. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY		8. WELL NAME AND NUMBER STATE 3-16-9-16
3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. API NUMBER 43-013-33847
4. LOCATION OF WELL Footages 660 FNL 1990 FWL QQ, SEC, T, R, M: NE/NW Section 16, T9S R16E		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE
		COUNTY DUCHESNE STATE UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
NOTICE OF INTENT: (Submit in Duplicate) <input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF <input checked="" type="checkbox"/> OTHER <u>APD Change</u>	SUBSEQUENT REPORT OF: (Submit Original Form Only) <input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> OTHER _____ DATE WORK COMPLETED _____ Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

Newfield Production requests the following changes be made the drilling program on the above mentioned approved APD.
Surface Casing will be set @ 290'.

13. NAME & SIGNATURE Mandie Crozier TITLE Regulatory Specialist DATE 3/7/2008
 (This space for State use only)

4/94 * See Instructions On Reverse Side

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 3/14/08
BY: [Signature]

RECEIVED
MAR 12 2008

COPY SENT TO OPERATOR

Date: 3.19.2008
Initials: KS

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-16532
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 660 FNL 1990 FWL		8. WELL NAME and NUMBER: STATE 3-16-9-16
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 16, T9S, R16E		9. API NUMBER: 4301333847
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/20/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 05/15/08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 05/20/2008

(This space for State use only)

RECEIVED
MAY 27 2008
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

STATE 3-16-9-16

2/1/2008 To 6/30/2008

4/18/2008 Day: 1

Completion

Rigless on 4/17/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast. RIH w/ logging tools. Hit tight spot @ 4810', POH w/ logging tools. TIH w/ 14' perf gun, Tagged WL PBTD @ 5718'. POH & LD perf gun. PU & RIH w/ logging tools with out bottom bowspring centralizer, Was able to go through (Tight spot or bad deviation from 4800 to 5200', Showed about 300 psi of drag, Would recommend running guided rods through this area). Run CBL under pressure. WLTD @ 5718' & cement top @ 278'. Perforate stage #1. CP1 sds @ 5606-20, 5571- 92' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 140 shots. 138 BWTR. SIFN.

4/23/2008 Day: 2

Completion

Rigless on 4/22/2008 - Stage #1 CP1 sds. RU BJ Services. 0 psi on well. Frac CP1 sds w/ 144,428#'s of 20/40 sand in 1022 bbls of Lightning 17 fluid. Broke @ 2252 psi. Treated w/ ave pressure of 1764 psi w/ ave rate of 25.2 BPM. ISIP 2006 psi. Leave pressure on well. 1160 BWTR. Stage #2 LODC sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 5310'. Perforate LODC sds @ 5203-11' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 32 shots. RU BJ Services. 1778 psi on well. Frac LODC sds w/ 24,817#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 3073 psi. Treated w/ ave pressure of 2477 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Leave pressure on well. 1516 BWTR. Stage #3 A1 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 15' perf gun. Set plug @ 5170'. Perforate A1 sds @ 5094-5109' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 60 shots. RU BJ Services. 1812 psi on well. Frac A1 sds w/ 38,375#'s of 20/40 sand in 420 bbls of Lightning 17 fluid. Broke @ 2874 psi. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Leave pressure on well. 1936 BWTR. Stage #4 B2 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 5050'. Perforate B2 sds @ 4944-54' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 40 shots. RU BJ Services. 1668 psi on well. Frac B2 sds w/ 30,349#'s of 20/40 sand in 383 bbls of Lightning 17 fluid. Broke @ 2532 psi. Treated w/ ave pressure of 1804 psi w/ ave rate of 23.3 BPM. ISIP 1842 psi. Leave pressure on well. 2319 BWTR. Stage #5 C sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 15' perf gun. Set plug @ 4890'. Perforate C sds @ 4824-39' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 60 shots. RU BJ Services. 1465 psi on well. Frac C sds w/ 48,027#'s of 20/40 sand in 446 bbls of Lightning 17 fluid. Broke @ 3825 psi. Treated w/ ave pressure of 2057 psi w/ ave rate of 23.3 BPM. ISIP 2063 psi. Leave pressure on well. 2765 BWTR. Stage #6 D2 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 14' perf gun. Set plug @ 4750'. Perforate D2 sds @ 4710-24' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 56 shots. RU BJ Services. 1535 psi on well. Frac D2 sds w/ 37,944#'s of 20/40 sand in 423 bbls of Lightning 17 fluid. Broke @ 3935 psi. Treated w/ ave pressure of 2539 psi w/ ave rate of 23.4 BPM. ISIP 2646 psi. Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 6 hrs & died.

***SWIFN.**

4/24/2008 Day: 3**Completion**

Leed #712 on 4/23/2008 - MIRU Leed #712. Open well to flattank. Well flowed 45 bbls oil to flattank. SWIFN.

4/25/2008 Day: 4**Completion**

Leed #712 on 4/24/2008 - Open well to flattank. Well flowed for 45 min. Recovered 25 bbls. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe rack (tallying & drifting tbg.). Tag CBP @ 4750'. RU powerswivel & pump. DU CBP in 25 min. Cont. RIH w/ tbg. Tag CBP @ 4890'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 5050'. DU CBP in 30 min. Circulate well clean. SWIFN.

4/26/2008 Day: 5**Completion**

Leed #712 on 4/25/2008 - Cont. RIH w/ tbg. Tag CBP @ 5170'. DU CBP in 20 min. Cont. RIH w/ tbg. Tag CBP @ 5310'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag @ 5638'. C/O to PBTD @ 5812'. Circulate well clean. RD powerswivel & pump. Pull up to 5747'. RIH w/ swab. SFL @ surface. Made 10 runs. Recovered 140 bbls (135 water, 5 oil). EFL @ 1200'. 10% oil cut on last 3 runs. Small show of gas. No show sand. RD swab. RIH w/ tbg. Tag PBTD @ 5812'. Circulate well clean. POOH w/ tbg. to 1330'. SWIFN.

4/29/2008 Day: 6**Completion**

Leed #712 on 4/28/2008 - Bleed off well. Circulate well clean. Cont. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 176 jts 2 7/8" tbg. ND BOP. Set TAC (had to circulate well & work TAC to get anchor set) @ 5548' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 16' x 18' RHAC pump, 6- 1 1/2" weight bars, 40- 3/4" guided rods, 78- 3/4" slick rods, 99- 3/4" guided rods, 1- 6', 3- 4', 1- 2' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. Hang off rods. Could not put well on production. No flowlines.

5/16/2008 Day: 7**Completion**

on 5/15/2008 - Complete flowline. PWOP @ 1-00 PM w/ 102" SL & 5 SPM. Final report.

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK		OIL WELL <input checked="" type="checkbox"/>		GAS WELL <input type="checkbox"/>		DRY <input type="checkbox"/>		Other _____		5. LEASE DESIGNATION AND SERIAL NO. ML-16532	
1b. TYPE OF WELL		NEW WELL <input checked="" type="checkbox"/>		WORK OVER <input type="checkbox"/>		DEEPEN <input type="checkbox"/>		PLUG BACK <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
										7. UNIT AGREEMENT NAME State	
										8. FARM OR LEASE NAME, WELL NO. State 3-16-9-16	
2. NAME OF OPERATOR Newfield Exploration Company										9. WELL NO. 43-013-33847	
3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202										10. FIELD AND POOL OR WILDCAT Monument Butte	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 660' FNL & 1990' FWL (NE/NW) Sec. 16, T9S, R16E At top prod. Interval reported below At total depth										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 16, T9S, R16E	
14. API NO. 43-013-33847				DATE ISSUED 01/24/08				12. COUNTY OR PARISH Duchesne		13. STATE UT	
15. DATE SPUDDED 02/28/08		16. DATE T.D. REACHED 04/05/08		17. DATE COMPL. (Ready to prod.) 05/13/08		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5841' GL		5853' KB		19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 5855'		21. PLUG BACK T.D., MD & TVD 5812'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ----->		ROTARY TOOLS X		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 4710'-5620'										25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log										27. WAS WELL CORED No	
23. CASING RECORD (Report all strings set in well)											
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED	
8-5/8" - J-55		24#		443'		12-1/4"		To surface with 209 sx Class "G" cmt			
5-1/2" - J-55		15.5#		5856'		7-7/8"		300 sx Premilite II and 400 sx 50/50 Poz			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
30. TUBING RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
2-7/8"		EOT @		5675'		TA @		5545'			
31. PERFORATION RECORD (Interval, size and number)											
INTERVAL		SIZE		SPF/NUMBER		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
(CP1) 5606'-20', 5571'-92'		.49"		4/140		5571'-5620'		Frac w/ 144m428# 20/40 sand in 1022 bbls fluid			
(LODC) 5203'-5211'		.369"		4/32		5203'-5211'		Frac w/ 24,817# 20/40 sand in 356 bbls fluid			
(A1) 5094'-5109'		.369"		4/60		5094'-5109'		Frac w/ 38,375# 20/40 sand in 420 bbls fluid			
(B2) 4944'-4954'		.369"		4/40		4944'-4954'		Frac w/ 30,349# 20/40 sand in 383 bbls fluid			
(C) 4824'-4839'		.369"		4/60		4824'-4839'		Frac w/ 48,027# 20/40 sand in 446 bbls fluid			
(D2) 4710'-4724'		.369"		4/56		4710'-4724'		Frac w/ 37,944# 20/40 sand in 423 bbls fluid			
33.* PRODUCTION											
DATE FIRST PRODUCTION 05/21/08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' x 18' RHAC SM Plunger Pump						WELL STATUS (Producing or shut-in) PRODUCING			
DATE OF TEST 10 day ave		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD ----->		OIL--BBL. 93		GAS--MCF. 0	
								WATER--BBL. 9		GAS-OIL RATIO 0	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE ----->		OIL--BBL.		GAS--MCF.		WATER--BBL.	
										OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel										TEST WITH SP. BY	
35. LIST OF ATTACHMENTS											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED Jentry Park		TITLE Production Tech		DATE JUN 30 2008		DIV. OF OIL, GAS & MINING		DATE JUN 30 2008		JP	

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP VERT. DEPTH	TRUE VERT. DEPTH
			Well Name State 3-16-9-16	Garden Gulch Mkr	3648'		
				Garden Gulch 1	3864'		
				Garden Gulch 2	3974'		
				Point 3 Mkr	4226'		
				X Mkr	4488'		
				Y-Mkr	4524'		
				Douglas Creek Mkr	4636'		
				BiCarbonate Mkr	4873'		
				B Limestone Mkr	4982'		
				Castle Peak	5526'		
				Basal Carbonate	NP		
				Total Depth (LOGGERS)	5854'		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202		8. WELL NAME and NUMBER: STATE 3-16-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1990 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 16 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013338470000
PHONE NUMBER: 303 382-4443 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/1/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 28, 2012

NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMBER 303 383-4135	TITLE Regulatory Technician
SIGNATURE N/A	DATE 8/13/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: STATE 3-16-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1990 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 16 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013338470000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/20/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well has been converted from a producing oil well to an injection well on 11/19/2012. On 11/20/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1325 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 30, 2012		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/30/2012	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: Chris Jensen Date 11/20/12 Time 12:00 am pm
Test Conducted by: P. Ly B. Ly
Others Present: _____

Well: State 8-16-9-16

Field: Monument Butte

Well Location:

State 3-16-9-16

API No: 4301333847

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1325</u>	psig
5	<u>1325</u>	psig
10	<u>1325</u>	psig
15	<u>1325</u>	psig
20	<u>1325</u>	psig
25	<u>1325</u>	psig
30 min	<u>1325</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 250 psig

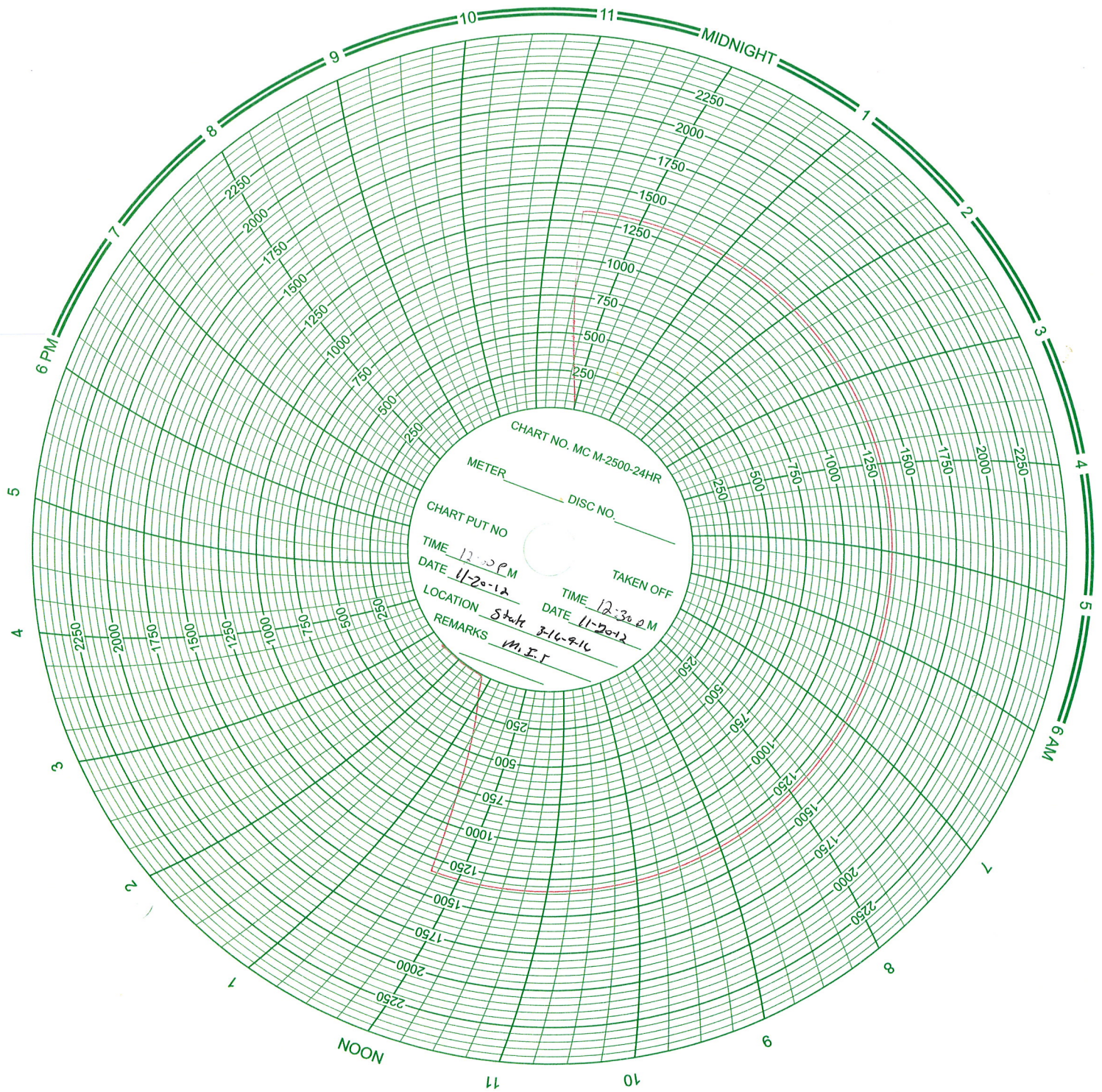
Result:

Pass

Fail

Signature of Witness:

Signature of Person Conducting Test:



Daily Activity Report

Format For Sundry

STATE 3-16-9-16

9/1/2012 To 1/30/2013

11/19/2012 Day: 1

Conversion

Nabors #1406 on 11/19/2012 - MIRUSU, LD rods - MIRUSU, ND unit LD horsehead, pull pump off seat LD polish rod, LD 3 rods, PU polish rod. Flush tubing w/40 bbls. PU 3 rods, soft seat pump, test to 3000psi. Good test.LD SUBS, LD 99 3/4" GUIDED 4 PERS, LD 78 SLICK 3/4" RODS, LD 40 MORE 4PERS 3/4", LD 5 1 1/2" SINKER BARS, LD PUMP, HAVING TO FLUSH AGAIN W/ 20 MORE BBLS 3/4 OF WAY OUT. X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP, RD WORKFLOOR. POOH W/ 90 JNTS, 2 7/8" J -55 TBG, BREAKING EVERY COLLAR, CLEANING W/ GAS, AND DOPING W/ GREEN DOPE, SWIFN, SDFN - MIRUSU, ND unit LD horsehead, pull pump off seat LD polish rod, LD 3 rods, PU polish rod. Flush tubing w/40 bbls. PU 3 rods, soft seat pump, test to 3000psi. Good test.LD SUBS, LD 99 3/4" GUIDED 4 PERS, LD 78 SLICK 3/4" RODS, LD 40 MORE 4PERS 3/4", LD 5 1 1/2" SINKER BARS, LD PUMP, HAVING TO FLUSH AGAIN W/ 20 MORE BBLS 3/4 OF WAY OUT. X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP, RD WORKFLOOR. POOH W/ 90 JNTS, 2 7/8" J -55 TBG, BREAKING EVERY COLLAR, CLEANING W/ GAS, AND DOPING W/ GREEN DOPE, SWIFN, SDFN - TBG 200, CSG 200 PSI, BLOW DWN WELL, CONTINUE TO POOH W/ 148 JNTS TO DERRICK, BREAKING EVERY COLLAR, CLEANING AND DOPING W/ GREEN DOPE, TALLEYING TBG FROM DERRICK, LD 28 JNTS OFF BTM OF STRING, LD TAC, 2 MORE JNTS, SN, 2 MORE JNTS, NC. RIH W/ 2 3/8" COLLAR, 4 FT SUB, X -O, PACKER, ON/OFF TOOL, 2 7/8" SN, 148 JNTS, 2 7/8" J -55 TBG. SPOT 15 BBL PAD, DROP STANDING VALVE, TEST TBG TO 3,000 PSI FOR 30 MINUTES, FIRST TESTLOST 250PSI, PUMPED BACK UP, LOST 50 PSI NEXT TEST, PUMPED BACK UP 3RD TEST GOOD. RU SANDLINE LUBRICATOR, RIH FISHING STANDING VALVE, POOH W/SANDLINE, RD SANDLINE. RD WORKFLOOR, ND BOP. Circulate DWN CSG W/ PACKER FLUID 50 BBLS. SET PACKER W/ 15,000 PULLED INTO IT WHEN LANDED, NU WELLHEAD, 12 FT KB, 148 JNTS,@4664.72, SN @ 4676.72, ON/ OFF TOOL, PACKER @ 4667.27, X -O, 4 FT 2 3/8" SUB, 2 3/8" XN NIPPLE,COLLAR, SDFN - TBG 200, CSG 200 PSI, BLOW DWN WELL, CONTINUE TO POOH W/ 148 JNTS TO DERRICK, BREAKING EVERY COLLAR, CLEANING AND DOPING W/ GREEN DOPE, TALLEYING TBG FROM DERRICK, LD 28 JNTS OFF BTM OF STRING, LD TAC, 2 MORE JNTS, SN, 2 MORE JNTS, NC. RIH W/ 2 3/8" COLLAR, 4 FT SUB, X -O, PACKER, ON/OFF TOOL, 2 7/8" SN, 148 JNTS, 2 7/8" J -55 TBG. SPOT 15 BBL PAD, DROP STANDING VALVE, TEST TBG TO 3,000 PSI FOR 30 MINUTES, FIRST TESTLOST 250PSI, PUMPED BACK UP, LOST 50 PSI NEXT TEST, PUMPED BACK UP 3RD TEST GOOD. RU SANDLINE LUBRICATOR, RIH FISHING STANDING VALVE, POOH W/SANDLINE, RD SANDLINE. RD WORKFLOOR, ND BOP. Circulate DWN CSG W/ PACKER FLUID 50 BBLS. SET PACKER W/ 15,000 PULLED INTO IT WHEN LANDED, NU WELLHEAD, 12 FT KB, 148 JNTS,@4664.72, SN @ 4676.72, ON/ OFF TOOL, PACKER @ 4667.27, X -O, 4 FT 2 3/8" SUB, 2 3/8" XN NIPPLE,COLLAR, SDFN - TBG 200, CSG 200 PSI, BLOW DWN WELL, CONTINUE TO POOH W/ 148 JNTS TO DERRICK, BREAKING EVERY COLLAR, CLEANING AND DOPING W/ GREEN DOPE, TALLEYING TBG FROM DERRICK, LD 28 JNTS OFF BTM OF STRING, LD TAC, 2 MORE JNTS, SN, 2 MORE JNTS, NC. RIH W/ 2 3/8" COLLAR, 4 FT SUB, X -O, PACKER, ON/OFF TOOL, 2 7/8" SN, 148 JNTS, 2 7/8" J -55 TBG. SPOT 15 BBL PAD, DROP STANDING VALVE, TEST TBG TO 3,000 PSI FOR 30 MINUTES, FIRST TESTLOST 250PSI, PUMPED BACK UP, LOST 50 PSI NEXT TEST, PUMPED BACK UP 3RD TEST GOOD. RU SANDLINE LUBRICATOR, RIH FISHING STANDING VALVE, POOH W/SANDLINE, RD SANDLINE. RD WORKFLOOR, ND BOP. Circulate DWN CSG W/ PACKER FLUID 50 BBLS. SET PACKER W/ 15,000 PULLED INTO IT WHEN LANDED, NU WELLHEAD, 12 FT KB, 148 JNTS,@4664.72, SN @ 4676.72, ON/ OFF TOOL, PACKER @ 4667.27, X -O, 4 FT 2 3/8" SUB, 2 3/8" XN NIPPLE,COLLAR, SDFN - TBG 200, CSG 200 PSI, BLOW DWN WELL, CONTINUE TO POOH W/ 148 JNTS TO DERRICK, BREAKING EVERY COLLAR, CLEANING AND DOPING W/ GREEN DOPE, TALLEYING TBG FROM DERRICK, LD 28 JNTS OFF BTM OF STRING, LD TAC, 2

MORE JNTS, SN, 2 MORE JNTS, NC. RIH W/ 2 3/8" COLLAR, 4 FT SUB, X -O, PACKER, ON/OFF TOOL, 2 7/8" SN, 148 JNTS, 2 7/8" J -55 TBG. SPOT 15 BBL PAD, DROP STANDING VALVE, TEST TBG TO 3,000 PSI FOR 30 MINUTES, FIRST TEST LOST 250 PSI, PUMPED BACK UP, LOST 50 PSI NEXT TEST, PUMPED BACK UP 3RD TEST GOOD. RU SANDLINE LUBRICATOR, RIH FISHING STANDING VALVE, POOH W/SANDLINE, RD SANDLINE. RD WORKFLOOR, ND BOP. Circulate DWN CSG W/ PACKER FLUID 50 BBLS. SET PACKER W/ 15,000 PULLED INTO IT WHEN LANDED, NU WELLHEAD, 12 FT KB, 148 JNTS, @4664.72, SN @ 4676.72, ON/ OFF TOOL, PACKER @ 4667.27, X -O, 4 FT 2 3/8" SUB, 2 3/8" XN NIPPLE, COLLAR, SDFN - MIRUSU, ND unit LD horsehead, pull pump off seat LD polish rod, LD 3 rods, PU polish rod. Flush tubing w/40 bbls. PU 3 rods, soft seat pump, test to 3000psi. Good test. LD SUBS, LD 99 3/4" GUIDED 4 PERS, LD 78 SLICK 3/4" RODS, LD 40 MORE 4PERS 3/4", LD 5 1 1/2" SINKER BARS, LD PUMP, HAVING TO FLUSH AGAIN W/ 20 MORE BBLS 3/4 OF WAY OUT. X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP, RD WORKFLOOR. POOH W/ 90 JNTS, 2 7/8" J -55 TBG, BREAKING EVERY COLLAR, CLEANING W/ GAS, AND DOPING W/ GREEN DOPE, SWIFN, SDFN - MIRUSU, ND unit LD horsehead, pull pump off seat LD polish rod, LD 3 rods, PU polish rod. Flush tubing w/40 bbls. PU 3 rods, soft seat pump, test to 3000psi. Good test. LD SUBS, LD 99 3/4" GUIDED 4 PERS, LD 78 SLICK 3/4" RODS, LD 40 MORE 4PERS 3/4", LD 5 1 1/2" SINKER BARS, LD PUMP, HAVING TO FLUSH AGAIN W/ 20 MORE BBLS 3/4 OF WAY OUT. X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP, RD WORKFLOOR. POOH W/ 90 JNTS, 2 7/8" J -55 TBG, BREAKING EVERY COLLAR, CLEANING W/ GAS, AND DOPING W/ GREEN DOPE, SWIFN, SDFN **Finalized**

Daily Cost: \$0

Cumulative Cost: \$17,904

11/20/2012 Day: 3

Conversion

Nabors #1406 on 11/20/2012 - pressure test - pump us csg to 1400psi, tested 3 times, 3rd test held. RDMOSU. - pump us csg to 1400psi, tested 3 times, 3rd test held. RDMOSU.

Daily Cost: \$0

Cumulative Cost: \$29,027

11/26/2012 Day: 4

Conversion

Rigless on 11/26/2012 - Conduct initial MIT - On 11/20/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1325 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 11/20/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1325 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$117,861

Pertinent Files: [Go to File List](#)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-16532
1b. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR Newfield Production Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS AND TELEPHONE NUMBER: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721		8. FARM OR LEASE NAME N/A
4. LOCATION OF WELL (FOOTAGE) At Surface NE/NW 660' FNL 1990' FWL 40.036 295 At proposed Producing Zone 574564X 4431941Y - 110.126 034		9. WELL NO. State #3-16-9-16
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 21.7 miles southwest of Myton, UT		10. FIELD AND POOL OR WILDCAT Monument Butte
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) Approx. 660' f/lse line and NA' f/unit line	16. NO. OF ACRES IN LEASE 640.00	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NW Sec. 16, T9S, R16E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approximately 1175'	19. PROPOSED DEPTH 6500'	12. County Duchesne
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5841' GL		13. STATE UT
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* 1st Quarter 2008

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	290' 400'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
See Detail Below				

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:

SURFACE PIPE - 155 sx Class G Cement +/- 10%, w/ 2% CaCl₂ & 1/4#/sk Cello-flake
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H₂O Req: 5 gal/sk

LONG STRING - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H₂O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H₂O Req: 7.88 gal/sk

24. Name & Signature Mandie Crozier Title: Regulatory Specialist Date: 11/19/2007

(This space for State use only)

API Number Assigned: 43-013-33847

APPROVAL: _____

Approved by the
Utah Division of
Oil, Gas and Mining

*See Instructions On Reverse Side

Date: 01-24-08

By: [Signature]

RECEIVED

NOV 29 2007

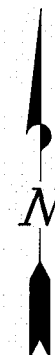
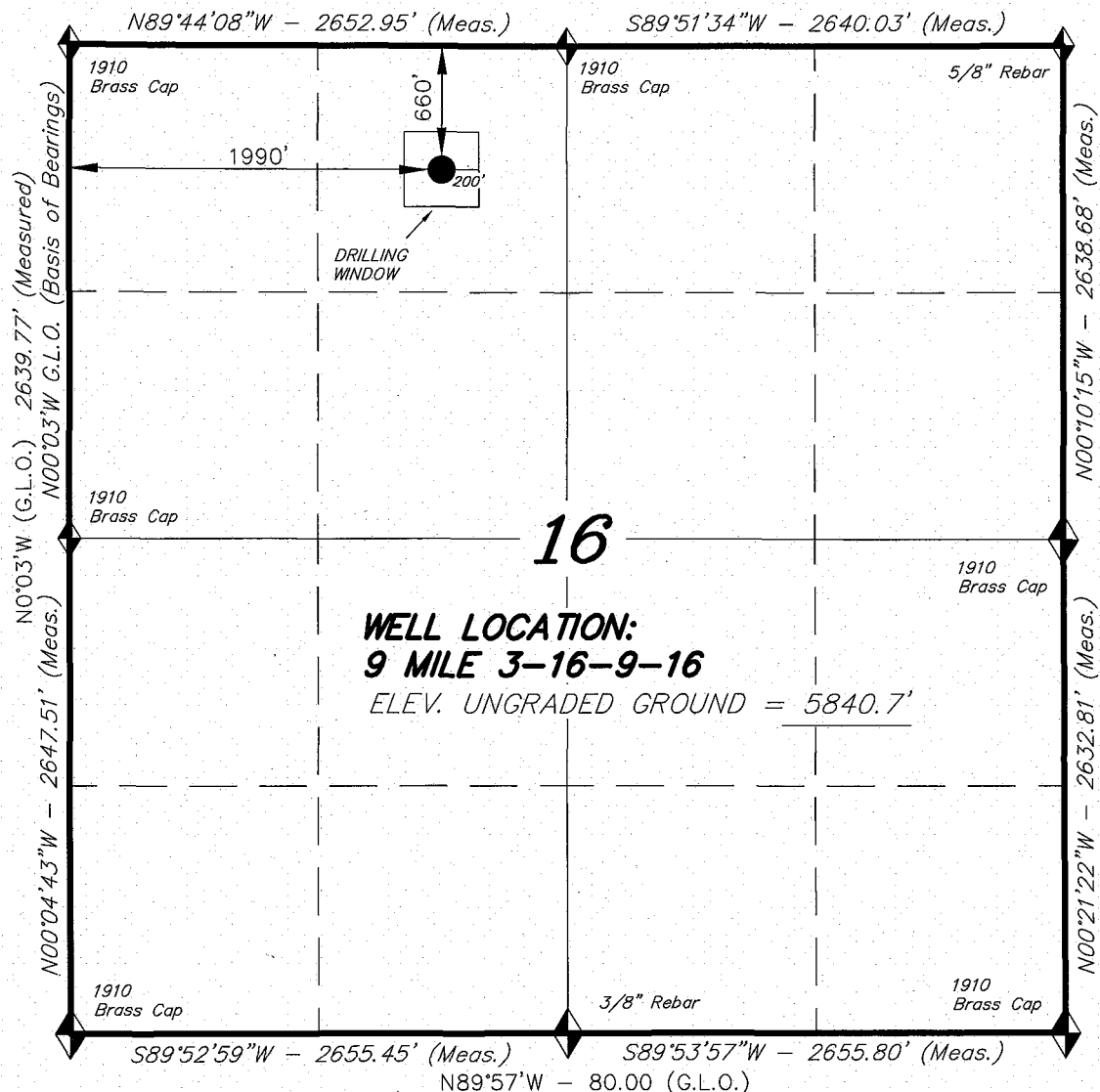
DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.

N89°50'W - 80.24 (G.L.O.)

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 3-16-9-16,
LOCATED AS SHOWN IN THE NE 1/4 NW
1/4 OF SECTION 16, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

THAT THE ABOVE PLAT WAS
FILED FOR RECORD OF ACTUAL SURVEY
UNDER MY SUPERVISION AND
IS TRUE AND CORRECT TO THE BEST
OF MY BELIEF. No. 189377

REGISTERED LAND SURVEYOR

STACY W.
STEWART

REGISTERED LAND SURVEYOR
STATE OF UTAH

NO. 189377

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED:
10-11-07

SURVEYED BY: C.M.


DATE DRAWN:
11-01-07

DRAWN BY: F.T.M.

REVISED:

SCALE: 1" = 1000'

9 MILE 3-16-9-16
(Surface Location) NAD 83
LATITUDE = 40° 02' 10.61"
LONGITUDE = 110° 07' 35.94"

 = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

NEWFIELD PRODUCTION COMPANY
STATE #3-16-9-16
NE/NW SECTION 16, T9S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1700'
Green River	1700'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at ^{400'}~~290'~~ (New)
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

A fresh water/polymer system will be utilized to drill the well. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

AIR DRILLING

In the event that the proposed location is to be "Air Drilled", Newfield requests a variance to regulations requiring a straight run blooie line. Newfield proposes that the flowline will contain two (2) 90-degree turns. Newfield also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Newfield requests authorization to ignite as needed, and the flowline at 80'.

Newfield Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM

Surface – 3200'
3200' – TD'

MUD TYPE

fresh water system
fresh water system

From surface to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ ^{400'}~~200'~~ +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2008, and take approximately seven (7) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
STATE #3-16-9-16
NE/NW SECTION 16, T9S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site State #3-16-9-16 located in the NE¼ NW¼ Section 16, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.4 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.7 miles to its junction with an existing road to the southwest; proceed southwesterly approximately 9.7 miles to its junction with an existing road to the southeast; proceed southeasterly approximately 0.3 miles to its junction with an existing road to the northeast; proceed northeasterly approximately 5.1 miles to its junction with an existing road to the southwest; proceed southwesterly approximately 1.8 miles to its junction with an existing road to the northwest; proceed in a northwesterly direction approximately 1.4 miles to its junction with the beginning of the proposed access road to the south; proceed southerly along the proposed access road approximately 1210'; proceed in a westerly direction approximately along the proposed access road approximately 380' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 1,590' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey Report is attached. **Refer to Exhibit "D".**

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the State 3-16-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the State 3-16-9-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

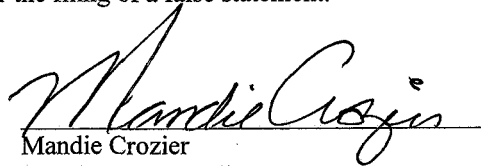
Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #3-16-9-16, NE/NW Section 16, T9S, R16E, LEASE #ML-16532, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

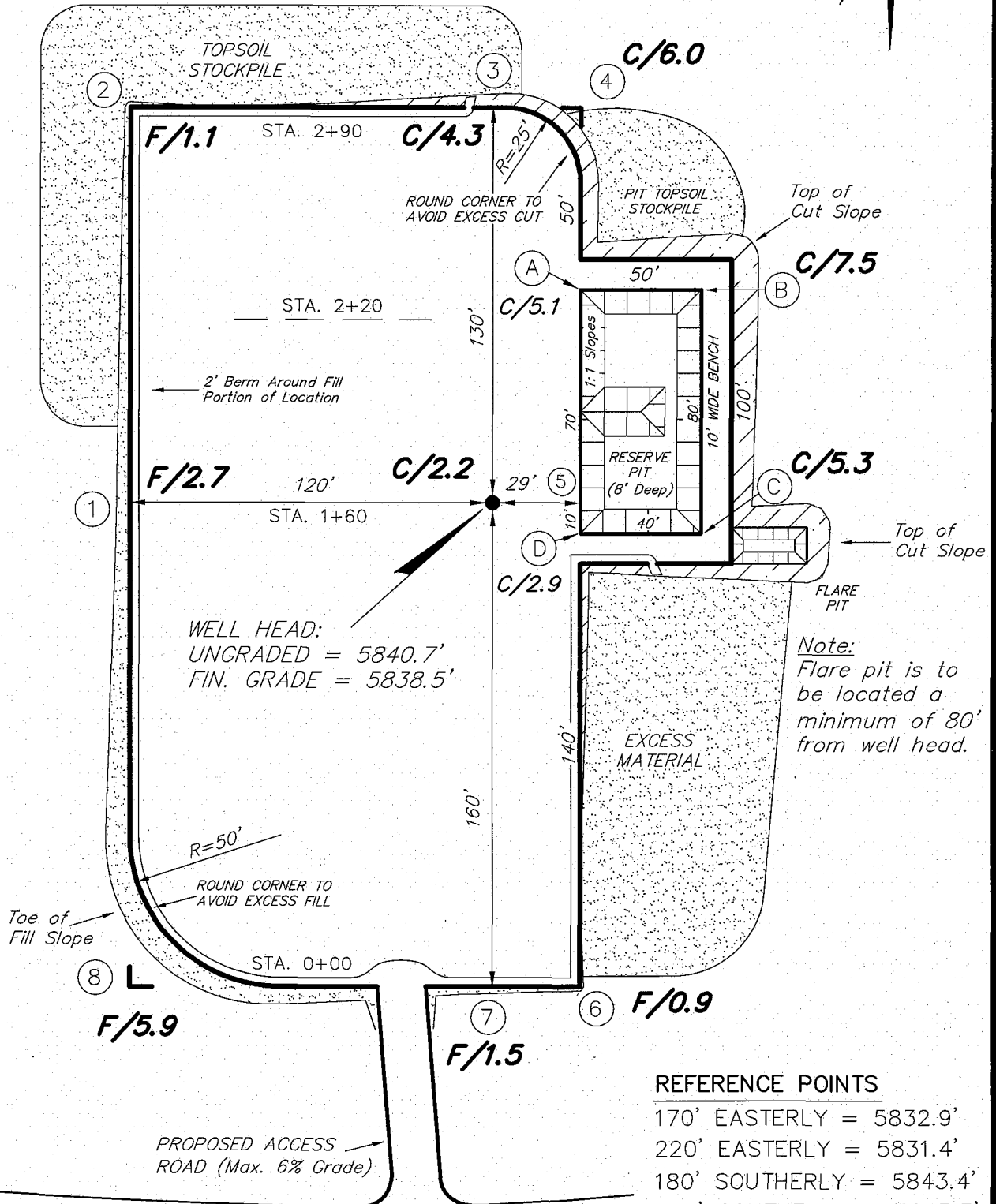
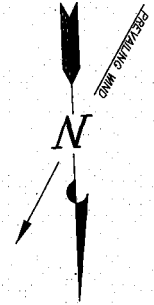
11/19/07
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 3-16-9-16

Section 16, T9S, R16E, S.L.B.&M.



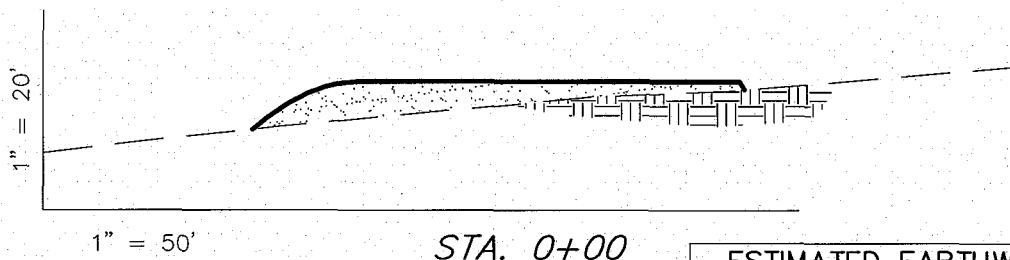
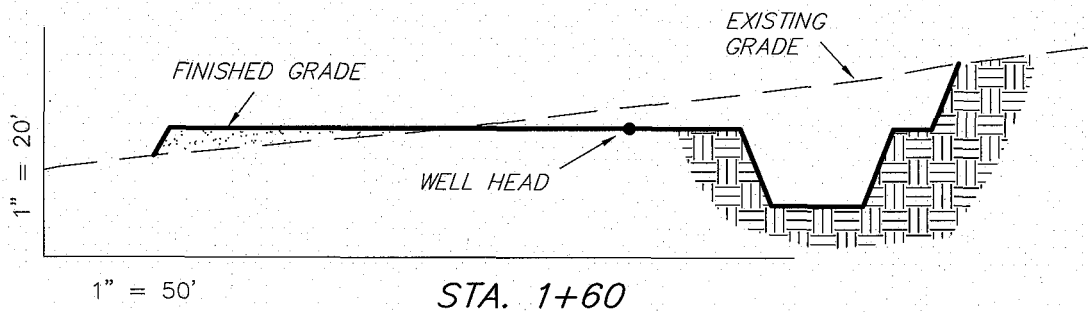
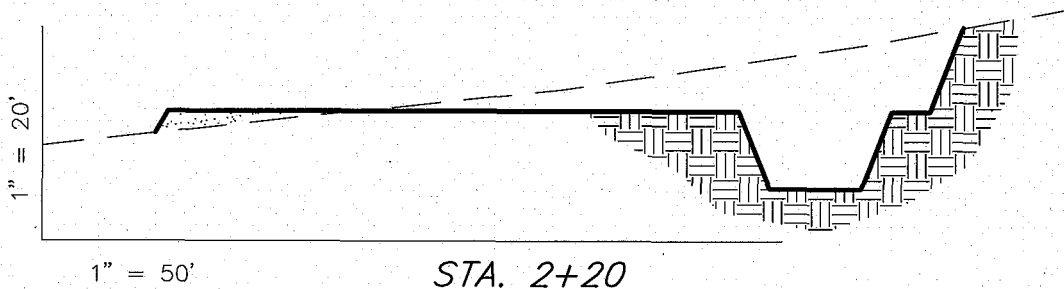
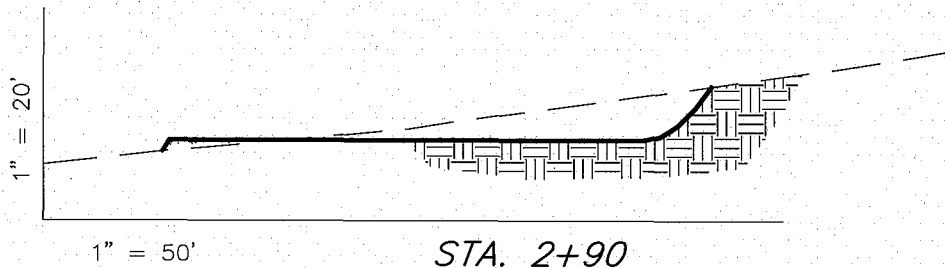
Existing Road

SURVEYED BY: C.M.	DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-07
SCALE: 1" = 50'	REVISED:

Tri State
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS 9 MILE 3-16-9-16



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

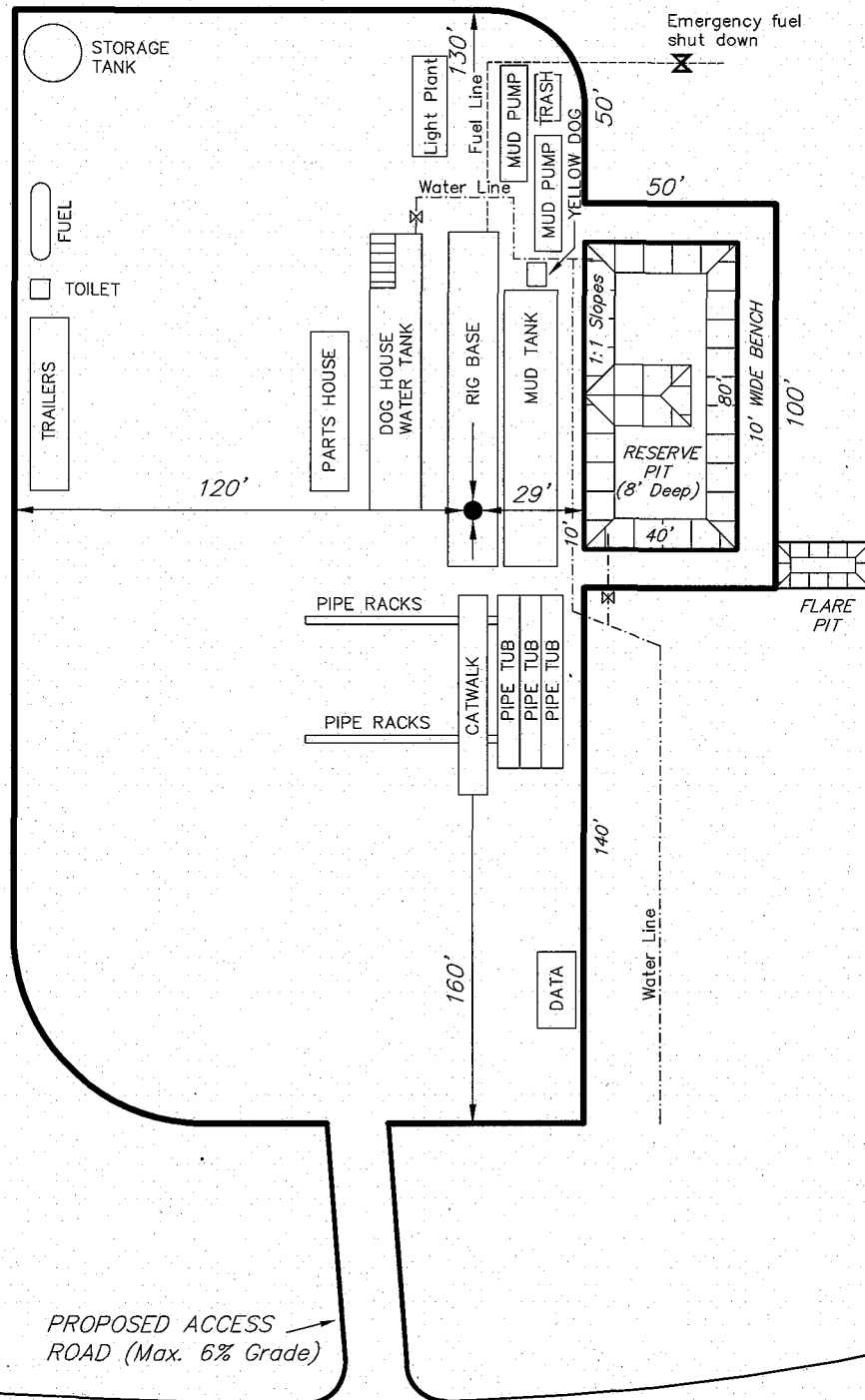
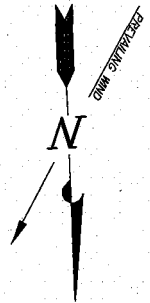
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,230	2,230	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,870	2,230	970	640

SURVEYED BY: C.M. DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M. DATE DRAWN: 11-01-07
SCALE: 1" = 50' REVISED:

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

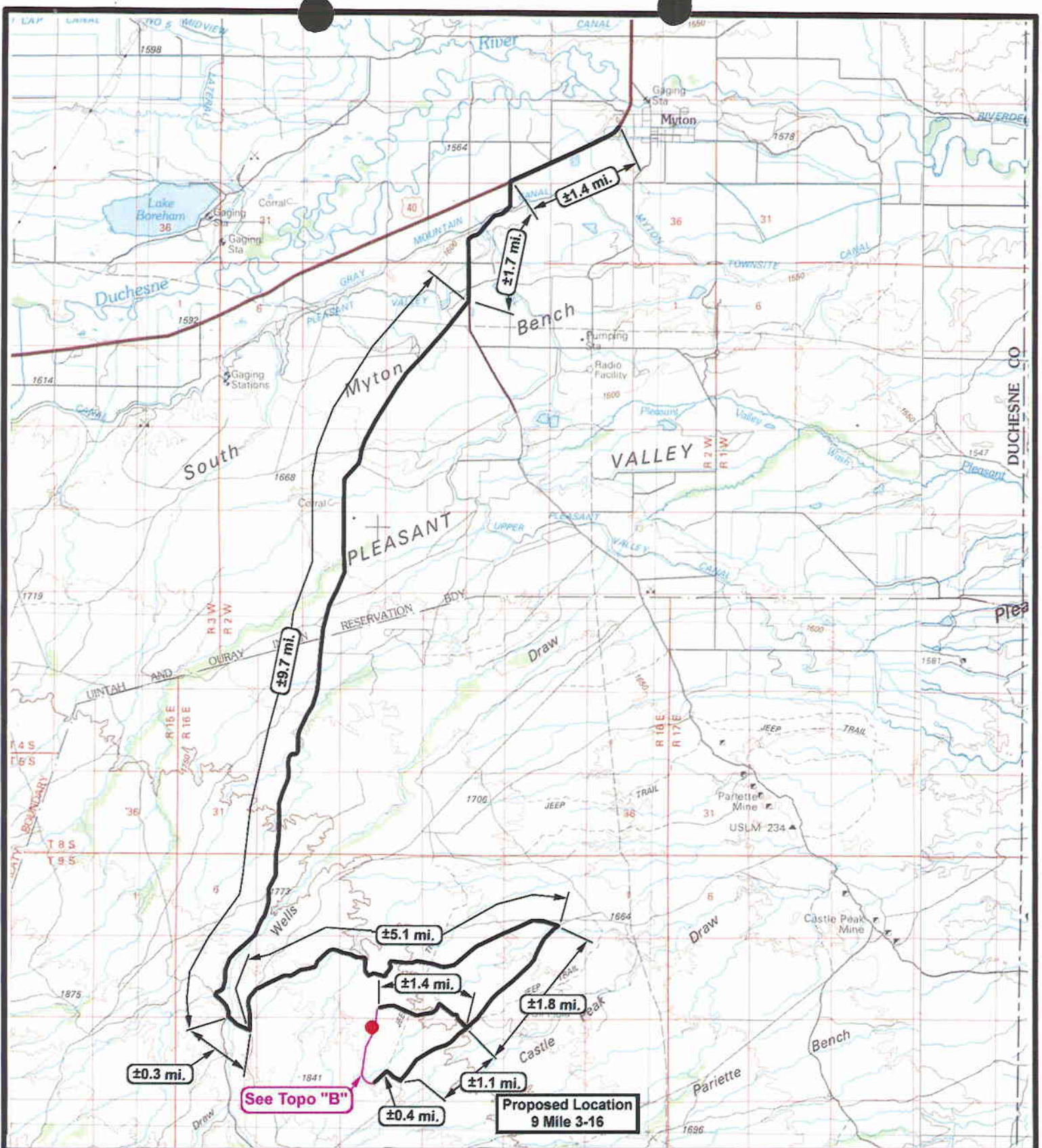
TYPICAL RIG LAYOUT 9 MILE 3-16-9-16




Existing Road

SURVEYED BY: C.M.	DATE SURVEYED: 10-11-07
DRAWN BY: F.T.M.	DATE DRAWN: 11-01-07
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE., VERNAL, UTAH 84078





NEWFIELD
Exploration Company

9 Mile 3-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.





Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 11-02-2007

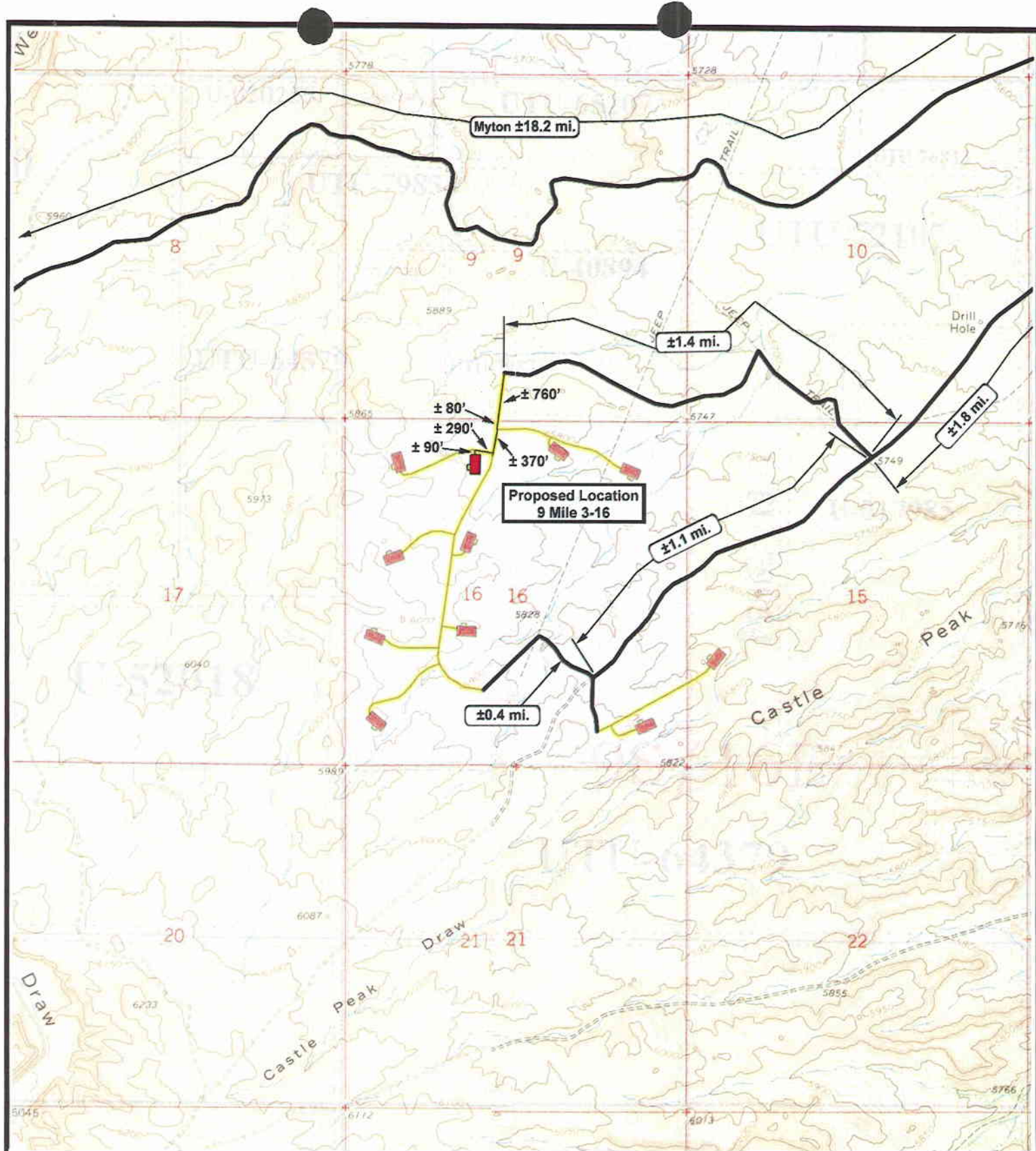
Legend

Existing Road

Proposed Access

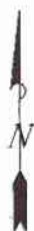
TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

9 Mile 3-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



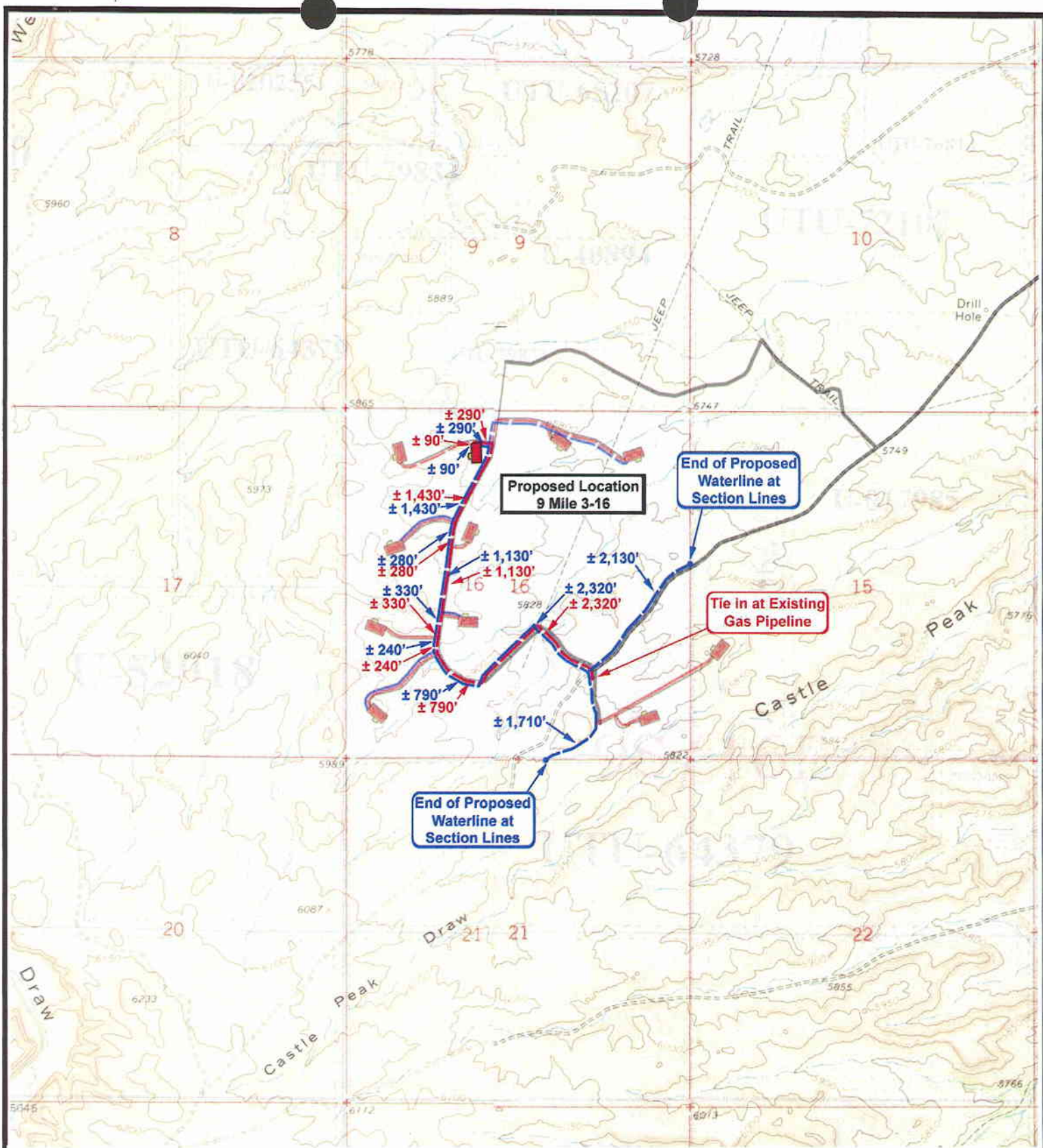
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078


SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP

"B"





NEWFIELD
Exploration Company

9 Mile 3-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

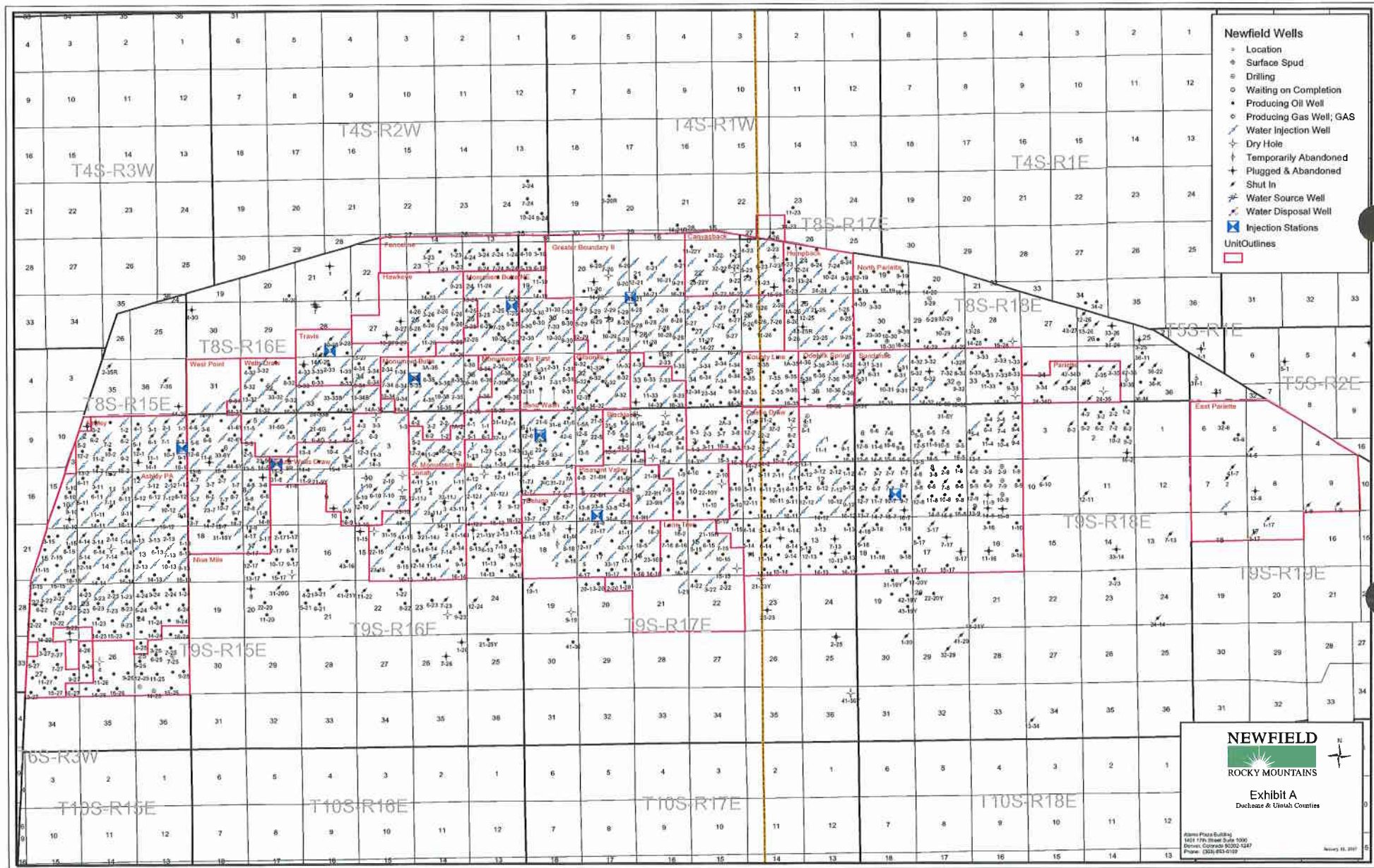
DATE: 11-02-2007

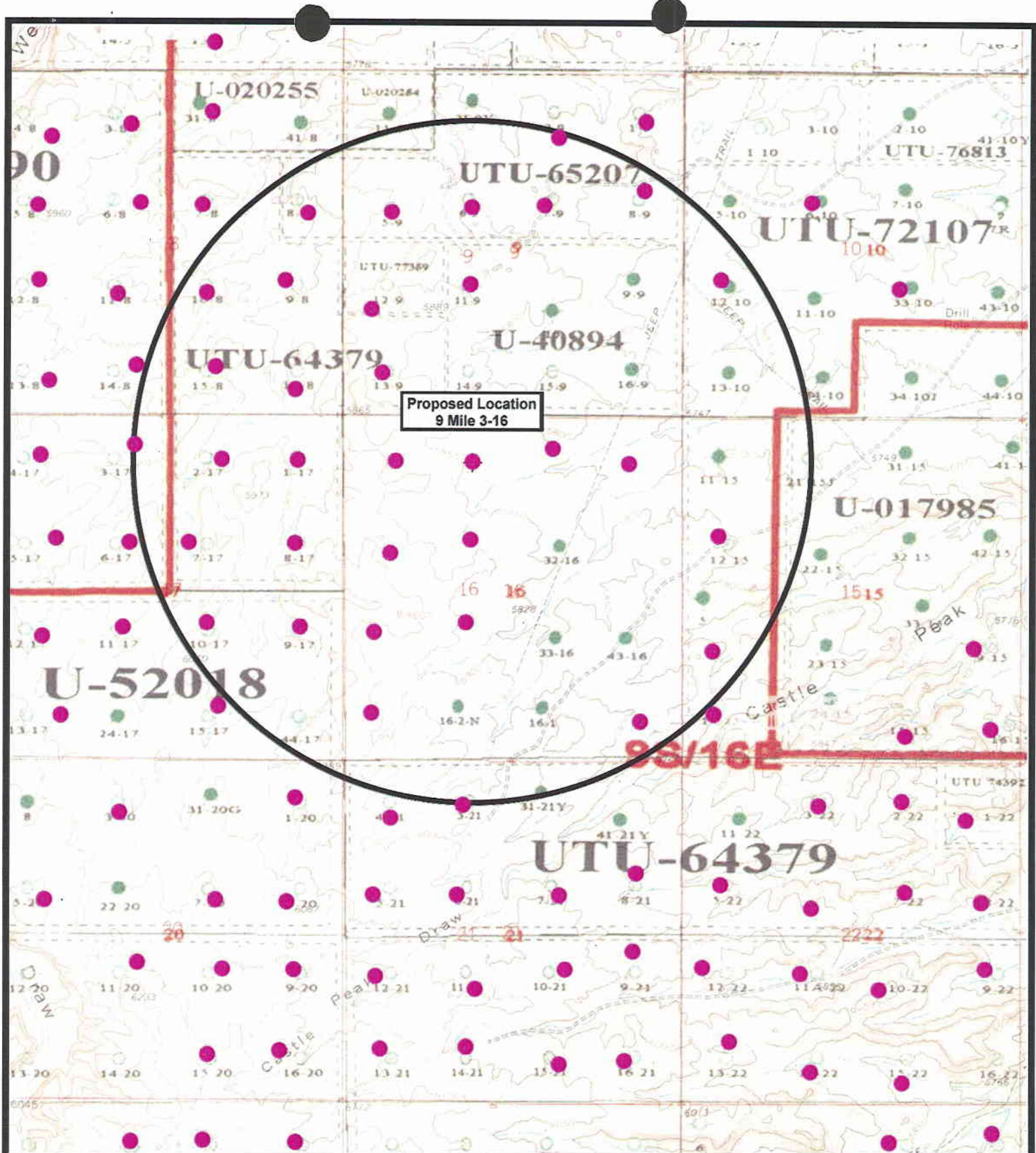
Legend

	Roads
	Proposed Gas Line
	Proposed Water Line

TOPOGRAPHIC MAP

"C"





NEWFIELD
Exploration Company

9 Mile 3-16-9-16
SEC. 16, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: mw
DATE: 11-02-2007

Legend

- Location
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

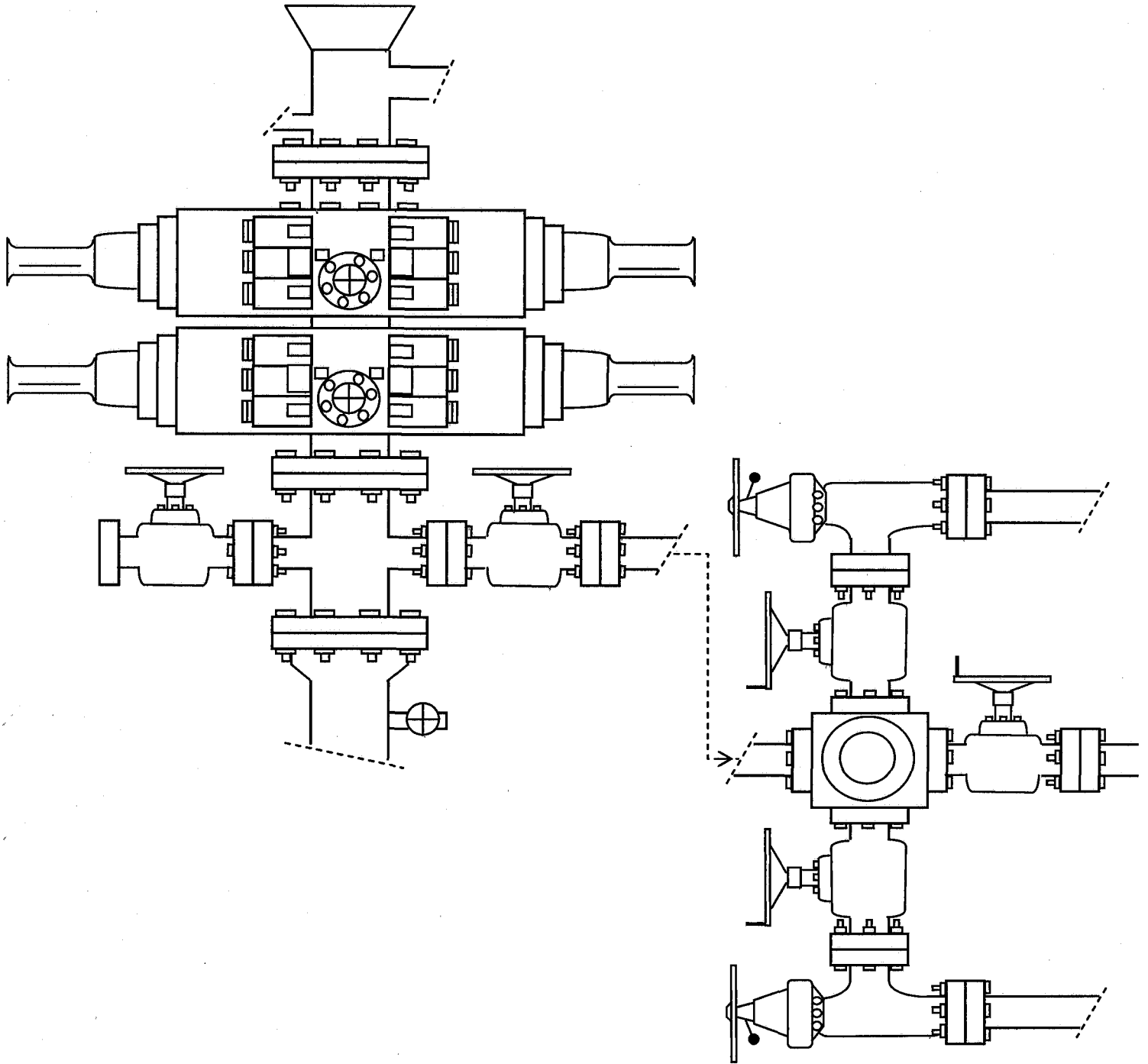


EXHIBIT C

Exhibit "D"

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S TEN 40 ACRE PARCELS IN
TOWNSHIP 9S, RANGE 16E, SECTION 16
DUCHESNE COUNTY, UTAH

By:

Jacki A. Montgomery

Prepared For:

State of Utah
School & Institutional Trust Lands Administration
Salt Lake City

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, UT 84052

Submitted By:

Keith R. Montgomery
Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 07-348

October 31, 2007

United States Department of Interior (FLPMA)
Permit No. 07-UT-60122

State of Utah Public Lands Policy
Archaeological Survey Permit No. 117

State of Utah Antiquities Project (Survey)
Permit No. U-07-MQ-1297s

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/29/2007

API NO. ASSIGNED: 43-013-33847

WELL NAME: STATE 3-16-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NENW 16 090S 160E

SURFACE: 0660 FNL 1990 FWL

BOTTOM: 0660 FNL 1990 FWL

COUNTY: DUCHESNE

LATITUDE: 40.03630 LONGITUDE: -110.1260

UTM SURF EASTINGS: 574564 NORTHINGS: 4431941

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DRO	1/24/08
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-16532

SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

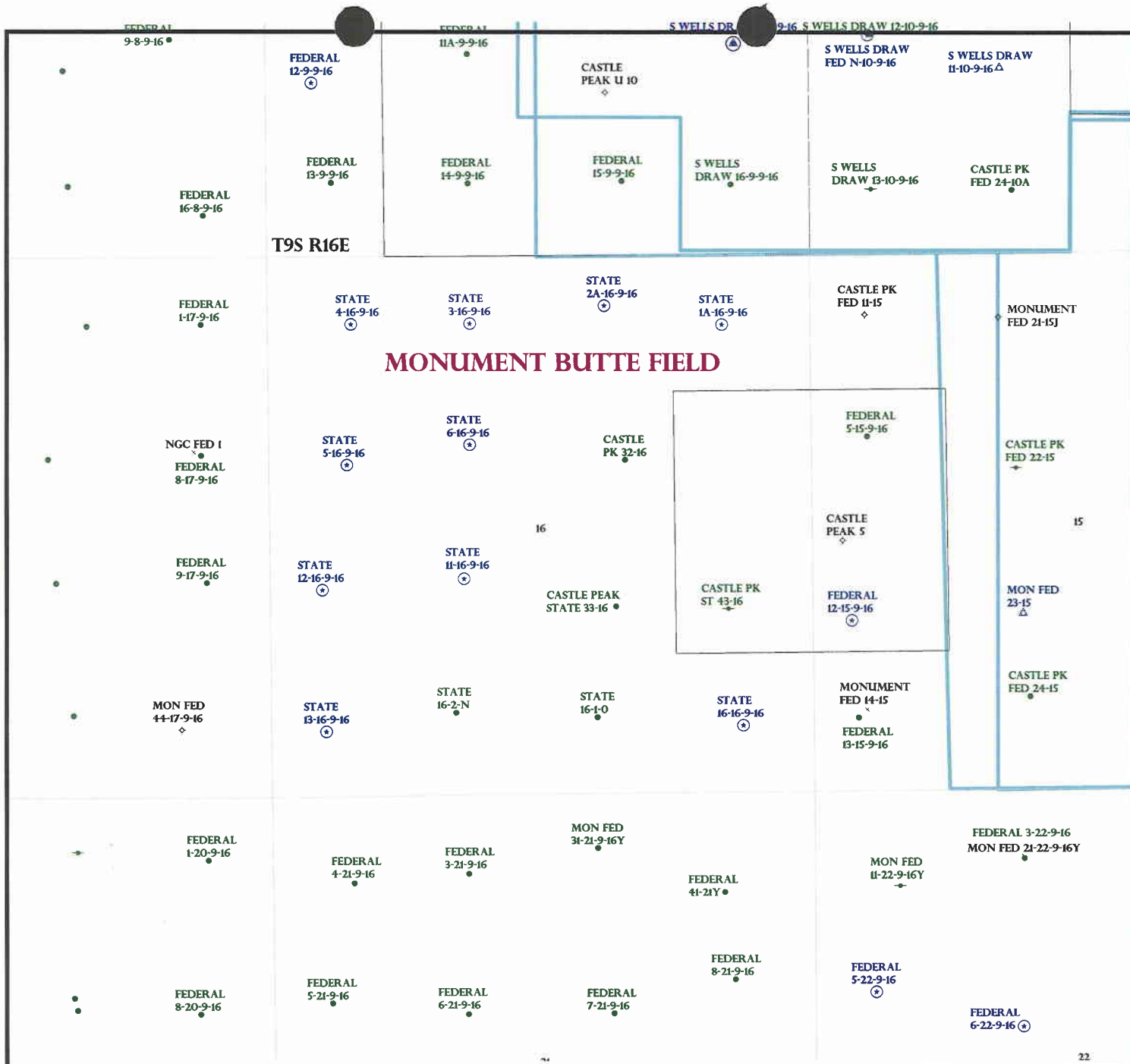
___ R649-2-3.
Unit: ___
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
___ Drilling Unit
Board Cause No: ___
Eff Date: ___
Siting: ___
___ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (12-13-07)

STIPULATIONS:

1- Spacing Strip
2- STATEMENT OF BASIS
3- Surf. Csg Cmt + Strip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 16 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON
DATE: 05-DECEMBER-2007

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Application for Permit to Drill

Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
628	43-013-33847-00-00		OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	STATE 3-16-9-16		Unit		
Field	MONUMENT BUTTE		Type of Work		
Location	NENW 16 9S 16E S 660 FNL 1990 FWL GPS Coord (UTM) 574564E 4431941N				

Geologic Statement of Basis

Newfield proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,800'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought high enough to cover the estimated base of the moderately saline ground water.

Brad Hill

12/19/2007

APD Evaluator

Date / Time

Surface Statement of Basis

The general area is approximately 22 miles southwest of Myton, Utah in the upper Castle Peak area. Castle Peak Draw runs in a northeasterly direction about 14 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. No streams springs or seeps occur in the area. An occasional pond constructed to store runoff for livestock or wildlife exists. Drainages are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 21.7 miles. Construction of 380 feet of new road will be required.

The proposed State #3-16-9-16 oil well location is on the end of a slope of a ridge with the pit and location extending into a gentle flat with a slight slope to the northwest. The area slopes into a broad valley. A swale to the north will be missed by the location. No diversions are recommended. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. The area was covered with about 10 inches of snow during the evaluation. Both the surface and minerals are owned by SITLA.

Daniel Emmett representing the Utah Division of Wildlife Resources stated the area is classified as substantial value sage grouse brooding habitat and crucial yearlong antelope habitat. He ask Mr. Allred of Newfield and Mr. Davis of SITLA that they try to schedule construction and drilling around the critical period of March 1 to June 15th for sagegrouse brooding. No restrictions for the antelope were requested. No other wildlife are expected to be significantly affected. Mr. Emmett gave Mr. Allred of Newfield Production Company and Mr. Davis of SITLA a copy of his evaluation and also a seed mix recommendation to be used when the reserve pit and location are reclaimed.

Floyd Bartlett

12/13/2007

Onsite Evaluator

Date / Time

Application for Permit to Drill

Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

Page 2

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name STATE 3-16-9-16
API Number 43-013-33847-0 **APD No** 628 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NENW **Sec** 16 **Tw** 9S **Rng** 16E 660 FNL 1990 FWL
GPS Coord (UTM) **Surface Owner**

Participants

Floyd Bartlett (DOGM), David Allred (Newfield Production Company), Cory Miller (Tri-State Land Surveying), Jim Davis (SITLA), Daniel Emmett (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The general area is approximately 22 miles southwest of Myton, Utah in the upper Castle Peak area. Castle Peak Draw runs in a northeasterly direction about 14 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. No streams springs or seeps occur in the area. An occasional pond constructed to store runoff for livestock or wildlife exists. Drainages are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 21.7 miles. Construction of 380 feet of new road will be required.

The proposed State #3-16-9-16 oil well location is on the end of a slope of a ridge with the pit and location extending into a gentle flat with a slight slope to the northwest. The area slopes into a broad valley. A swale to the north will be missed by the location. No diversions are recommended. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. The area was covered with about 10 inches of snow during the evaluation. Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.04	Width 199 Length 290	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Area was covered with snow. Vegetation is a Deseret shrub type. Identified or expected vegetation consisted of black sagebrush, shadscale, greasewood, mustard weed, rabbit brush, horsebrush, broom snakeweed, and spring annuals.

Cattle, prairie dogs, antelope, small mammals and birds. Golden eagle have been sited in the general area.

Soil Type and Characteristics

Moderately deep sandy clay loam with some surface rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run?

Paleo Potential Observed? N

Cultural Survey Run? Y

Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet) >200

0

Distance to Surface Water (feet) >1000

0

Dist. Nearest Municipal Well (ft) >5280

0

Distance to Other Wells (feet) 300 to 1320

10

Native Soil Type Mod permeability

10

Fluid Type Fresh Water

5

Drill Cuttings Normal Rock

0

Annual Precipitation (inches) <10

0

Affected Populations <10

0

Presence Nearby Utility Conduits Not Present

0

Final Score

25

Sensitivity Level

Characteristics / Requirements

A 40' x 80' x 8' deep reserve pit is planned in an area of cut on the southwest side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

Closed Loop Mud Required? N

Liner Required? Y

Liner Thickness 16

Pit Underlayment Required? Y

Other Observations / Comments

ATV's used to reach site. Site under 10 inches of snow.

Floyd Bartlett

Evaluator

12/13/2007

Date / Time

2008-01 Newfield State 3-10-9-16

Casing Schematic

BHP 2839 psi
anticipate 1800 psi

GOS 2059 psi, MASP

BOPE 2M

Burst 2950
70% 2065 psi

Max P @ Surf. shoe
1497 psi

8-5/8"
MW 8.4
Frac 19.3

Surface

12 7/8"

18 7/8"

TOC @
103

TOC @
153.

Surface
400. MD

Uinta
to surf w/ 3%
+ surf stip ✓
to surf w/ 11% w/o

1700' Green River

2800' ± BMSW

3740' TOC tail

✓ Adequately
1/24/08

5-1/2"
MW 8.4

Production
6500. MD

6500' Wasatch

BOPE REVIEW

Well Name	Newfield State 3-16-9-16 API# 43-013-33847
------------------	--

INPUT				
Well Name	Newfield State 3-16-9-16 API# 43-013-33847			
Casing Size (")	String 1	String 2	String 3	String 4
Setting Depth (TVD)	20	13 3/8		
Previous Shoe Setting Depth (TVD)	400	6500		
Max Mud Weight (ppg)	0	400	0	0
BOPE Proposed (psi)	8.4	8.4		
Casing Internal Yield (psi)	0	2000		
	2950	4810		

Calculations	String 1	20	"
Max BHP [psi]	.052*Setting Depth*MW =		175
BOPE Adequate For Drilling And Setting Casing at Depth?			
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		127 NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		87 NO
*Can Full Expected Pressure Be Held At Previous Shoe?			
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		87 NO <i>No expected pressures to setting depth</i>
Required Casing/BOPE Test Pressure			400 psi
*Max Pressure Allowed @ Previous Casing Shoe =			0 psi *Assumes 1psi/ft frac gradient

Calculations	String 2	13 3/8	"
Max BHP [psi]	.052*Setting Depth*MW =		2839
BOPE Adequate For Drilling And Setting Casing at Depth?			
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =		2059 NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =		1409 YES ✓
*Can Full Expected Pressure Be Held At Previous Shoe?			
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =		1497 NO
Required Casing/BOPE Test Pressure			2000 psi
*Max Pressure Allowed @ Previous Casing Shoe =			400 psi *Assumes 1psi/ft frac gradient

Well name:

2008-01 Newfield State 3-16-9-16Operator: **Newfield Production Company**String type: **Surface**

Project ID:

43-013-33847Location: **Duchesne County****Design parameters:****Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 81 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 290 ft

Cement top: 153 ft

Burst

Max anticipated surface

pressure: 352 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 400 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 350 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,500 ft

Next mud weight: 8.400 ppg

Next setting BHP: 2,836 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 400 ft

Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	143
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	175	1370	7.849	400	2950	7.37	8	244	29.08 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: January 11, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

2008-01 Newfield State 3-16-9-16Operator: **Newfield Production Company**String type: **Production**

Project ID:

43-013-33847Location: **Duchesne County****Design parameters:****Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 166 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 103 ft

Burst

Max anticipated surface

pressure: 1,406 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 2,836 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 5,674 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	868.6
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2836	4040	1.424	2836	4810	1.70	88	217	2.47 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: January 11, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Helen Sadik-Macdonald - Newfield wells

From: "Hans Wychgram"
To:
Date: 01/09/2008 3:52 PM
Subject: Newfield wells
CC: "Brad Mecham" , "Mandie Crozier"

Helen,

As per our conversation this afternoon, Newfield agrees to set 400' of surface casing on the following wells:

State 3-16-9-16

State 4-16-9-16

State 5-16-9-16

State 6-16-9-16

State 11-16-9-16

State 12-16-9-16

State 13-16-9-16

State 16-16-9-16

Gilsonite L-32-8-17

Monument Butte F-36-8-16

Also, we discussed setting 300' of 20" conductor casing on the following deep gas wells:

Beluga 16T-5-9-17

Monument Butte 4-36T-8-16

Thanks,

Hans Wychgram

From: Ed Bonner
To: Mason, Diana
Date: 1/8/2008 12:05 PM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Jarvis, Dan

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

ConocoPhillips Company
Utah 29-574D (API 43 015 30735)

EOG Resources, Inc
CWU 956-32 (API 43 047 39515)

Kerr McGee Oil & Gas Onshore LP
NBU 1021-2N (API 43 047 38840)

Newfield Production Company
Wells Draw Fed C-5-9-16 (API 43 013 33753)
State 1A-16-9-16 (API 43 013 33845)
State 2A-16-9-16 (API 43 013 33846)
State 3-16-9-16 (API 43 013 33847)
State 4-16-9-16 (API 43 013 33848)
State 5-16-9-16 (API 43 013 33849)
State 6-16-9-16 (API 43 013 33850)
State 12-16-9-16 (API 43 013 33852)
State 13-16-9-16 (API 43 013 33853)
State 16-16-9-16 (API 43 013 33854)

Pioneer Natural Resources USA, Inc
Main Canyon State 12-16-15-23 (API 43 047 39695)
Main Canyon State 34-21-15-23 (API 43 047 39696)
Horse Point State 34-10-16-23 (API 43 019 31558)
Horse Point State 41-1-16-23 (API 43 019 31599)
Grand Canyon State 23-35-15.5-23 (API 43 019 31560)

If you have any questions regarding this matter please give me a call.



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

January 24, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: State 3-16-9-16 Well, 660' FNL, 1990' FWL, NE NW, Sec. 16, T. 9 South, R. 16 East,
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33847.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
SITLA



Operator: Newfield Production Company
Well Name & Number State 3-16-9-16
API Number: 43-013-33847
Lease: ML-16532

Location: NE NW Sec. 16 T. 9 South R. 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
7. Surface casing shall be cemented to the surface.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: STATE 3-16-9-16

Api No: 43-013-33847 Lease Type: STATE

Section 16 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

SPUDDED:

Date 02/28/ 08

Time 12:30 PM

How DRY

Drilling will Commence: _____

Reported by JIM SMITH

Telephone # (435) 823-2072

Date 02/28/08 Signed CHD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 8

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3638
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	16737	4301333847	STATE 3-16-9-16	NENW	16	9	16	DUCHESNE	2/28/2008	3/17/08
WELL 1 COMMENTS: <i>GRUV</i>											
A	99999	16738	4301333339	FEDERAL 10-24-9-16	NWSE	24	9	16	DUCHESNE	2/28/2008	3/17/08
WELL 2 COMMENTS: <i>GRUV</i>											
WELL 5 COMMENTS:											
WELL 6 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Tammi Lee
Signature

Tammi Lee

Production Clerk

03/05/08

Date

RECEIVED

MAR 05 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO. ML-16532
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME NA
2. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY		8. WELL NAME AND NUMBER STATE 3-16-9-16
3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. API NUMBER 43-013-33847
4. LOCATION OF WELL Footages 660 FNL 1990 FWL QQ, SEC, T, R, M: NE/NW Section 16, T9S R16E		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE
		COUNTY DUCHESNE STATE UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
NOTICE OF INTENT: (Submit in Duplicate) <input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF <input checked="" type="checkbox"/> OTHER <u>APD Change</u>	SUBSEQUENT REPORT OF: (Submit Original Form Only) <input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> OTHER _____ DATE WORK COMPLETED _____ Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

Newfield Production requests the following changes be made the drilling program on the above mentioned approved APD.
Surface Casing will be set @ 290'.

13. NAME & SIGNATURE Mandie Crozier TITLE Regulatory Specialist DATE 3/7/2008
 (This space for State use only)

4/94 * See Instructions On Reverse Side

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 3/14/08
BY: [Signature]

RECEIVED
MAR 12 2008

COPY SENT TO OPERATOR

Date: 3.19.2008
Initials: KS

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-16532
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 660 FNL 1990 FWL		8. WELL NAME and NUMBER: STATE 3-16-9-16
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 16, T9S, R16E		9. API NUMBER: 4301333847
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/20/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 05/15/08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 05/20/2008

(This space for State use only)

RECEIVED
MAY 27 2008
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

STATE 3-16-9-16

2/1/2008 To 6/30/2008

4/18/2008 Day: 1

Completion

Rigless on 4/17/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast. RIH w/ logging tools. Hit tight spot @ 4810', POH w/ logging tools. TIH w/ 14' perf gun, Tagged WL PBTD @ 5718'. POH & LD perf gun. PU & RIH w/ logging tools with out bottom bowspring centralizer, Was able to go through (Tight spot or bad deviation from 4800 to 5200', Showed about 300 psi of drag, Would recommend running guided rods through this area). Run CBL under pressure. WLTD @ 5718' & cement top @ 278'. Perforate stage #1. CP1 sds @ 5606-20, 5571- 92' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 140 shots. 138 BWTR. SIFN.

4/23/2008 Day: 2

Completion

Rigless on 4/22/2008 - Stage #1 CP1 sds. RU BJ Services. 0 psi on well. Frac CP1 sds w/ 144,428#'s of 20/40 sand in 1022 bbls of Lightning 17 fluid. Broke @ 2252 psi. Treated w/ ave pressure of 1764 psi w/ ave rate of 25.2 BPM. ISIP 2006 psi. Leave pressure on well. 1160 BWTR. Stage #2 LODC sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 5310'. Perforate LODC sds @ 5203-11' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 32 shots. RU BJ Services. 1778 psi on well. Frac LODC sds w/ 24,817#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 3073 psi. Treated w/ ave pressure of 2477 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Leave pressure on well. 1516 BWTR. Stage #3 A1 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 15' perf gun. Set plug @ 5170'. Perforate A1 sds @ 5094-5109' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 60 shots. RU BJ Services. 1812 psi on well. Frac A1 sds w/ 38,375#'s of 20/40 sand in 420 bbls of Lightning 17 fluid. Broke @ 2874 psi. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Leave pressure on well. 1936 BWTR. Stage #4 B2 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' perf gun. Set plug @ 5050'. Perforate B2 sds @ 4944-54' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 40 shots. RU BJ Services. 1668 psi on well. Frac B2 sds w/ 30,349#'s of 20/40 sand in 383 bbls of Lightning 17 fluid. Broke @ 2532 psi. Treated w/ ave pressure of 1804 psi w/ ave rate of 23.3 BPM. ISIP 1842 psi. Leave pressure on well. 2319 BWTR. Stage #5 C sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 15' perf gun. Set plug @ 4890'. Perforate C sds @ 4824-39' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 60 shots. RU BJ Services. 1465 psi on well. Frac C sds w/ 48,027#'s of 20/40 sand in 446 bbls of Lightning 17 fluid. Broke @ 3825 psi. Treated w/ ave pressure of 2057 psi w/ ave rate of 23.3 BPM. ISIP 2063 psi. Leave pressure on well. 2765 BWTR. Stage #6 D2 sds. RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 14' perf gun. Set plug @ 4750'. Perforate D2 sds @ 4710-24' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90°) w/ 4 spf for total of 56 shots. RU BJ Services. 1535 psi on well. Frac D2 sds w/ 37,944#'s of 20/40 sand in 423 bbls of Lightning 17 fluid. Broke @ 3935 psi. Treated w/ ave pressure of 2539 psi w/ ave rate of 23.4 BPM. ISIP 2646 psi. Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 6 hrs & died.

***SWIFN.**

4/24/2008 Day: 3**Completion**

Leed #712 on 4/23/2008 - MIRU Leed #712. Open well to flattank. Well flowed 45 bbls oil to flattank. SWIFN.

4/25/2008 Day: 4**Completion**

Leed #712 on 4/24/2008 - Open well to flattank. Well flowed for 45 min. Recovered 25 bbls. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe rack (tallying & drifting tbg.). Tag CBP @ 4750'. RU powerswivel & pump. DU CBP in 25 min. Cont. RIH w/ tbg. Tag CBP @ 4890'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 5050'. DU CBP in 30 min. Circulate well clean. SWIFN.

4/26/2008 Day: 5**Completion**

Leed #712 on 4/25/2008 - Cont. RIH w/ tbg. Tag CBP @ 5170'. DU CBP in 20 min. Cont. RIH w/ tbg. Tag CBP @ 5310'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag @ 5638'. C/O to PBTD @ 5812'. Circulate well clean. RD powerswivel & pump. Pull up to 5747'. RIH w/ swab. SFL @ surface. Made 10 runs. Recovered 140 bbls (135 water, 5 oil). EFL @ 1200'. 10% oil cut on last 3 runs. Small show of gas. No show sand. RD swab. RIH w/ tbg. Tag PBTD @ 5812'. Circulate well clean. POOH w/ tbg. to 1330'. SWIFN.

4/29/2008 Day: 6**Completion**

Leed #712 on 4/28/2008 - Bleed off well. Circulate well clean. Cont. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 176 jts 2 7/8" tbg. ND BOP. Set TAC (had to circulate well & work TAC to get anchor set) @ 5548' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 16' x 18' RHAC pump, 6- 1 1/2" weight bars, 40- 3/4" guided rods, 78- 3/4" slick rods, 99- 3/4" guided rods, 1- 6', 3- 4', 1- 2' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. Hang off rods. Could not put well on production. No flowlines.

5/16/2008 Day: 7**Completion**

on 5/15/2008 - Complete flowline. PWOP @ 1-00 PM w/ 102" SL & 5 SPM. Final report.

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK		OIL WELL <input checked="" type="checkbox"/>		GAS WELL <input type="checkbox"/>		DRY <input type="checkbox"/>		Other _____		5. LEASE DESIGNATION AND SERIAL NO. ML-16532	
1b. TYPE OF WELL		NEW WELL <input checked="" type="checkbox"/>		WORK OVER <input type="checkbox"/>		DEEPEN <input type="checkbox"/>		PLUG BACK <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
				DIFF RESVR. <input type="checkbox"/>				Other _____		7. UNIT AGREEMENT NAME State	
2. NAME OF OPERATOR Newfield Exploration Company										8. FARM OR LEASE NAME, WELL NO. State 3-16-9-16	
3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202										9. WELL NO. 43-013-33847	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface 660' FNL & 1990' FWL (NE/NW) Sec. 16, T9S, R16E At top prod. Interval reported below At total depth										10. FIELD AND POOL OR WILDCAT Monument Butte	
14. API NO. 43-013-33847										DATE ISSUED 01/24/08	
15. DATE SPUDDED 02/28/08										12. COUNTY OR PARISH Duchesne	
16. DATE T.D. REACHED 04/05/08										13. STATE UT	
17. DATE COMPL. (Ready to prod.) 05/13/08										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 16, T9S, R16E	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5841' GL										19. ELEV. CASINGHEAD 5853' KB	
20. TOTAL DEPTH, MD & TVD 5855'		21. PLUG BACK T.D., MD & TVD 5812'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ----->		ROTARY TOOLS X		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* Green River 4710'-5620'										25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log										27. WAS WELL CORED No	
23. CASING RECORD (Report all strings set in well)											
CASING SIZE/GRADE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED	
8-5/8" - J-55		24#		443'		12-1/4"		To surface with 209 sx Class "G" cmt			
5-1/2" - J-55		15.5#		5856'		7-7/8"		300 sx Premilite II and 400 sx 50/50 Poz			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
30. TUBING RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
2-7/8"		EOT @		5675'		TA @		5545'			
31. PERFORATION RECORD (Interval, size and number)											
INTERVAL		SIZE		SPF/NUMBER		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
(CP1) 5606'-20', 5571'-92'		.49"		4/140		5571'-5620'		Frac w/ 144m428# 20/40 sand in 1022 bbls fluid			
(LODC) 5203'-5211'		.369"		4/32		5203'-5211'		Frac w/ 24,817# 20/40 sand in 356 bbls fluid			
(A1) 5094'-5109'		.369"		4/60		5094'-5109'		Frac w/ 38,375# 20/40 sand in 420 bbls fluid			
(B2) 4944'-4954'		.369"		4/40		4944'-4954'		Frac w/ 30,349# 20/40 sand in 383 bbls fluid			
(C) 4824'-4839'		.369"		4/60		4824'-4839'		Frac w/ 48,027# 20/40 sand in 446 bbls fluid			
(D2) 4710'-4724'		.369"		4/56		4710'-4724'		Frac w/ 37,944# 20/40 sand in 423 bbls fluid			
33.* PRODUCTION											
DATE FIRST PRODUCTION 05/21/08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 16' x 18' RHAC SM Plunger Pump						WELL STATUS (Producing or shut-in) PRODUCING			
DATE OF TEST 10 day ave		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD ----->		OIL--BBL. 93		GAS--MCF. 0	
								WATER--BBL. 9		GAS-OIL RATIO 0	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE ----->		OIL--BBL.		GAS--MCF.		WATER--BBL.	
										OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel										TEST WITH NE SP. BY	
35. LIST OF ATTACHMENTS										RECEIVED JUN 30 2008	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED Jentry Park		TITLE Production Tech						DIV. OF OIL, GAS & MINING DATE 6/24/2008			

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. **GEOLOGIC MARKERS**

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name State 3-16-9-16	Garden Gulch Mkr	3648'	
				Garden Gulch 1	3864'	
			Garden Gulch 2	3974'		
			Point 3 Mkr	4226'		
			X Mkr	4488'		
			Y-Mkr	4524'		
			Douglas Creek Mkr	4636'		
			BiCarbonate Mkr	4873'		
			B Limestone Mkr	4982'		
			Castle Peak	5526'		
			Basal Carbonate	NP		
			Total Depth (LOGGERS	5854'		



RECEIVED

AUG 31 2012

DIV. OF OIL, GAS & MINING

(Original
received
Aug. 14, 2012)

August 13, 2012

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
State #3-16-9-16
Monument Butte Field, Lease #ML-16532
Section 16-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the State #3-16-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Eric Sundberg
Regulatory Manager

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
STATE #3-16-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #ML-16532
AUGUST 13, 2012

TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – STATE #3-16-9-16
ATTACHMENT E-1	WELLBORE DIAGRAM – STATE #2-16-9-16
ATTACHMENT E-2	WELLBORE DIAGRAM – STATE #1-16-9-16
ATTACHMENT E-3	WELLBORE DIAGRAM – STATE #4-16-9-16
ATTACHMENT E-4	WELLBORE DIAGRAM – STATE #5-16-9-16
ATTACHMENT E-5	WELLBORE DIAGRAM – STATE #6-16-9-16
ATTACHMENT E-6	WELLBORE DIAGRAM – STATE #11-16-9-16
ATTACHMENT E-7	WELLBORE DIAGRAM – CP STATE #32-16-9-16
ATTACHMENT E-8	WELLBORE DIAGRAM – FEDERAL #11A-9-9-16
ATTACHMENT E-9	WELLBORE DIAGRAM – FEDERAL #14-9-9-16
ATTACHMENT E-10	WELLBORE DIAGRAM – FEDERAL #13-9-9-16
ATTACHMENT E-11	WELLBORE DIAGRAM – FEDERAL #15-9-9-16
ATTACHMENT E-12	WELLBORE DIAGRAM – FEDERAL #1-17-9-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED – 4/18/2008 – 5/16/2008
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: State #3-16-9-16
Field or Unit name: Monument Butte (Green River) Lease No. ML-16532
Well Location: QQ NENW section 16 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes ☒ No ☐

Will the proposed well be used for: Enhanced Recovery? Yes ☒ No ☐
Disposal? Yes ☐ No ☒
Storage? Yes ☐ No ☒

Is this application for a new well to be drilled? Yes ☐ No ☒

If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☒

Date of test: _____

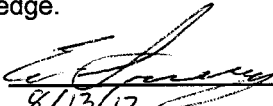
API number: 43-013-33847

Proposed injection interval: from 3973 to 5812
Proposed maximum injection: rate 500 bpd pressure 1810 psig
Proposed injection zone contains ☒ oil, ☐ gas, and/or ☐ fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature 
Title Regulatory Manager Date 8/13/12
Phone No. (303) 893-0102

(State use only)

Application approved by _____ Title _____

Approval Date _____

Comments:

State 3-16-9-16

Spud Date: 02-28-08
Put on Production: 05-13-08
GL: 5841' KB: 5853'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 10 jts
DEPTH LANDED: 443'
HOLE SIZE: 12-1/4"
CEMENT DATA: To surface with 209 sx Class "G" cmt

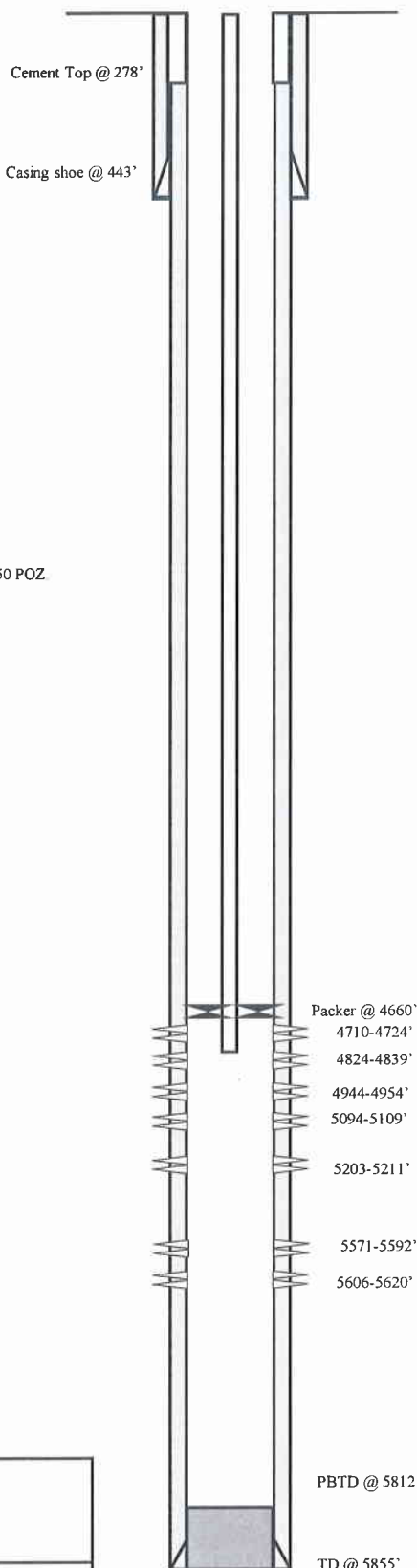
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 147 jts
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5855 97'
CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ
CEMENT TOP AT: 278'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 176 jts (5533 4')
TUBING ANCHOR: 5533 4'
NO. OF JOINTS: 2 jts (62 9')
SEATING NIPPLE: 2-7/8" (1 10')
SN LANDED AT: 5599 1' KB
NO. OF JOINTS: 2 jts (62 80')
NOTCHED COLLAR: 5663 0' KB
TOTAL STRING LENGTH: EOT @ 5663'

Proposed Injection Wellbore Diagram



FRAC JOB

04-22-08	5571-5592'	Frac C1 sds as follows: Frac w/144,428# 20/40 sand in 1022 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1764 psi w/ ave rate of 25.2 BPM. ISIP 2006 psi. Actual Flush: 5065 gals.
04-22-08	5203-5211'	Frac LODC sds as follows: Frac w/24,817# 20/40 sand in 356 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2477 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Actual Flush: 4696 gals.
04-22-08	5094-5109'	Frac A1 sds as follows: Frac w/38,375# 20/40 sand in 420 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Actual Flush: 4586 gals.
04-22-08	4944-4954'	Frac B2 sds as follows: Frac w/30,349# 20/40 sand in 383 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1804 psi w/ ave rate of 23.3 BPM. ISIP 1842 psi. Actual Flush: 4439 gals.
04-22-08	4824-4839'	Frac C sds as follows: Frac w/48,027# 20/40 sand in 446 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2057 psi w/ ave rate of 23.3 BPM. ISIP 2063 psi. Actual Flush: 4318 gals.
04-22-08	4710-4724'	Frac D2 sds as follows: Frac w/37,944# 20/40 sand in 423 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2539 psi w/ ave rate of 23.4 BPM. ISIP 2646 psi. Actual Flush: 4624 gals.

05/11/2012 Updated Rod & Tubing detail.

PERFORATION RECORD

4710-4724'	4 JSPF	56 holes
4824-4839'	4 JSPF	60 holes
4944-4954'	4 JSPF	40 holes
5094-5109'	4 JSPF	60 holes
5203-5211'	4 JSPF	32 holes
5571-5592'	4 JSPF	84 holes
5606-5620'	4 JSPF	56 holes

NEWFIELD



State 3-16-9-16
660' FNL & 1990' FWL
NE/NW Section 16-T9S-R16E
Duchesne Co, Utah
API #43-013-33847; Lease #Utah State ML-16532

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the State #3-16-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the State #3-16-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3973' - 5812'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3647' and the TD is at 5855'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the State #3-16-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #ML-16532) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 443' KB, and 5-1/2", 15.5# casing run from surface to 5826' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1810 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the State #3-16-9-16, for existing perforations (4710' - 5592') calculates at 0.81 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1810 psig. We may add additional perforations between 3647' and 5855'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the State #3-16-9-16, the proposed injection zone (3973' - 5812') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-12.

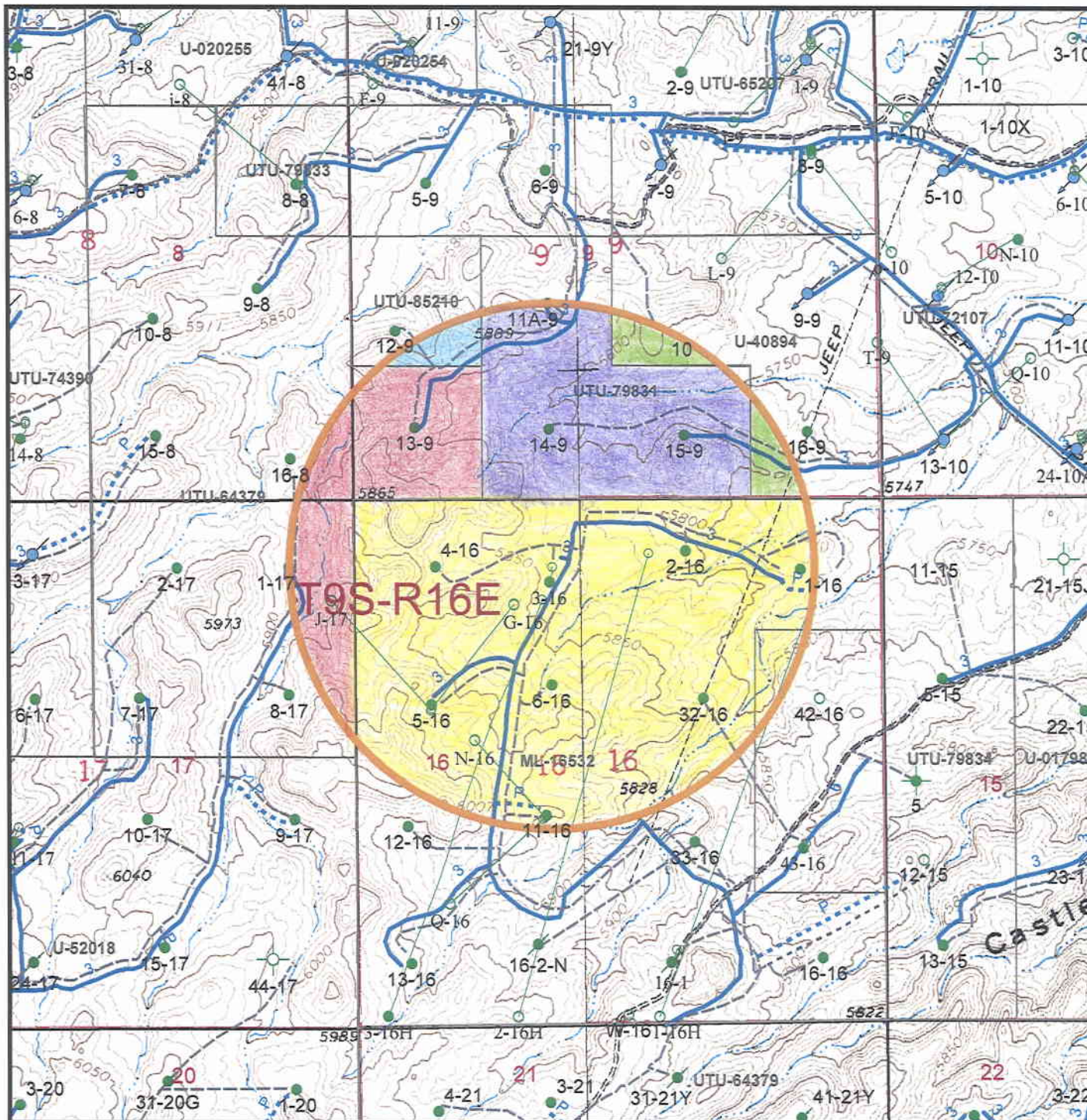
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



- SurfaceLocation_HalfMile_Buffer**
- Well Status**
- Location
 - CTI
 - Surface Spud
 - Drilling
 - Waiting on Completion
 - Producing Oil Well
 - Producing Gas Well
 - Water Injection Well
 - Dry Hole
 - Temporarily Abandoned
 - Plugged & Abandoned
 - Shut In
- Injection system**
- high pressure
 - low pressure
 - proposed
 - return
 - return proposed
- Leases**
- Mining tracts**

ST of UT
ML-16532
UTU-64379
UTU-85210
UTU-79831
UTU-40894

State 3-16
Section 16, T 9S-R16E

NEWFIELD



1/2 Mile Radius Map
Duchesne & Uintah Counties

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone (303) 893-0102

May 2, 2012

EXHIBIT B

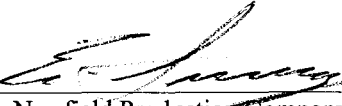
#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-616E SLM Section 16: All	State of Utah ML 16532 HBP	Newfield RMI LLC QEP Energy Company El Paso E&P Company LP American Petroleum Corp Brave River Production Trans Republic Resources Inc	State of Utah
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3, 4 Section 19: NE, E2NW, LOTS 1, 2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
3	T9S-R16E SLM Section 9: NWSW	USA UTU-85210 HBP	Newfield Production Company	USA
4	T9S-R16E SLM Section 9: E2SW, SWSE	USA UTU-79831 HBP	Newfield Production Company Newfield RMI LLC	USA
5	T9S-R16E SLM Section 9: N2SE, SESE	USA UTU-40894 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
State #3-16-9-16

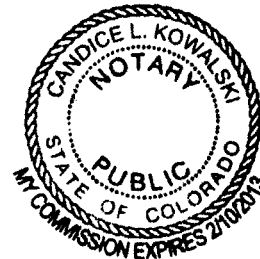
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: 
Newfield Production Company
Eric Sundberg
Regulatory Manager

Sworn to and subscribed before me this 13th day of August, 2012.

Notary Public in and for the State of Colorado: Candice L. Kowalski
My Commission Expires
02/10/2013

My Commission Expires: _____



State 3-16-9-16

Attachment E

Spud Date: 02-28-08
Put on Production: 05-13-08
GL: 5841' KB: 5853'

Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"
GRADE J-55
WEIGHT 24#
LENGTH 10 jts
DEPTH LANDED 443'
HOLE SIZE 12-1/4"
CEMENT DATA To surface with 209 sx Class "G" cmt

PRODUCTION CASING

CSG SIZE 5-1/2"
GRADE J-55
WEIGHT 15.5#
LENGTH 147 jts
HOLE SIZE 7-7/8"
DEPTH LANDED 5855 97'
CEMENT DATA 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ
CEMENT TOP AT 278'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#
NO OF JOINTS 176 jts (5533 4')
TUBING ANCHOR 5533 4'
NO OF JOINTS 2 jts (62 9')
SEATING NIPPLE 2-7/8" (1 10')
SN LANDED AT 5599 1' KB
NO OF JOINTS 2 jts (62 80')
NOTCHED COLLAR 5663 0' KB
TOTAL STRING LENGTH EOT @ 5663'

SUCKER RODS

POLISHED ROD 1-1/2" x 26' polished rod
SUCKER RODS: 1 - 3/4" x 2' Pony Rod, 3 - 3/4" x 4' Pony Rod, 1 - 3/4" x 6' Pony Rod, 99- 1/4" Guided Rods (2475'), 78 - 3/4" Guided Rods (1950'), 40 - 3/4" Guided Rods (1000'), 6 - 1 1/2" Sinker Bars (150')
PUMP SIZE 2 1/2" x 1 1/2" x 16' x 17' RHAC pump
STROKE LENGTH 102"
PUMP SPEED, SPM: 5

FRAC JOB

04-22-08 5571-5592' **Frac CPl sds as follows:**
Frac w/144,428# 20/40 sand in 1022 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1764 psi w/ ave rate of 25.2 BPM ISIP 2006 psi. Actual Flush 5065 gals

04-22-08 5203-5211' **Frac LODC sds as follows:**
Frac w/24,817# 20/40 sand in 356 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2477 psi w/ ave rate of 23.3 BPM ISIP 2543 psi. Actual Flush 4696 gals

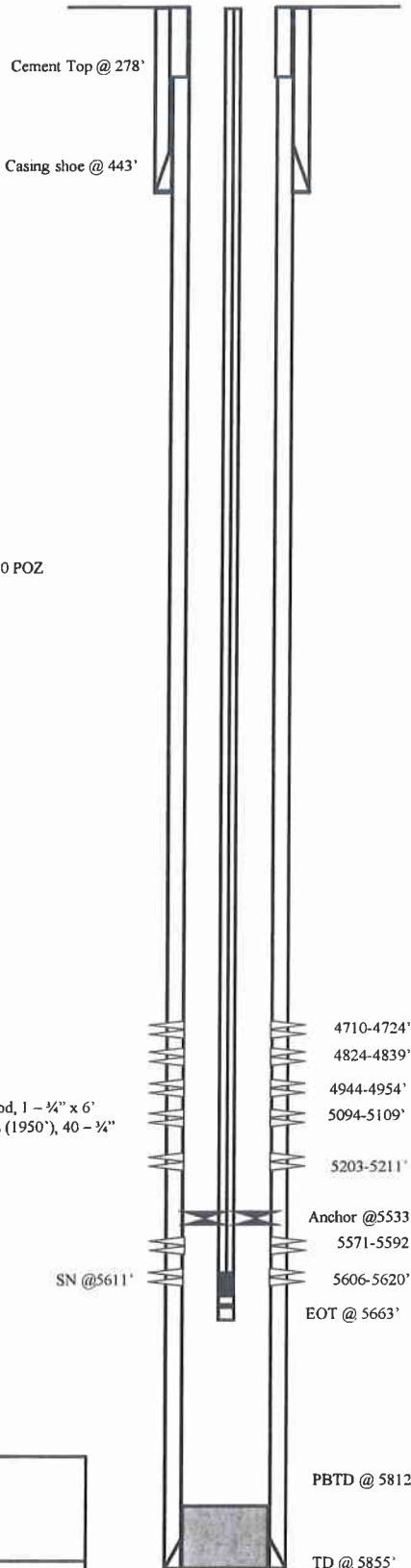
04-22-08 5094-5109' **Frac A1 sds as follows:**
Frac w/38,375# 20/40 sand in 420 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.3 BPM ISIP 2543 psi. Actual Flush 4586 gals

04-22-08 4944-4954' **Frac B2 sds as follows:**
Frac w/30,349# 20/40 sand in 383 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1804 psi w/ ave rate of 23.3 BPM ISIP 1842 psi. Actual Flush 4439 gals

04-22-08 4824-4839' **Frac C sds as follows:**
Frac w/48,027# 20/40 sand in 446 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2057 psi w/ ave rate of 23.3 BPM ISIP 2063 psi. Actual Flush 4318 gals

04-22-08 4710-4724' **Frac D2 sds as follows:**
Frac w/37,944# 20/40 sand in 423 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2539 psi w/ ave rate of 23.4 BPM ISIP 2646 psi. Actual Flush 4624 gals

05/11/2012 Updated Rod & Tubing detail



PERFORATION RECORD

Depth	ISIP	Holes
4710-4724'	4 JSPF	56 holes
4824-4839'	4 JSPF	60 holes
4944-4954'	4 JSPF	40 holes
5094-5109'	4 JSPF	60 holes
5203-5211'	4 JSPF	32 holes
5571-5592'	4 JSPF	84 holes
5606-5620'	4 JSPF	56 holes

NEWFIELD

State 3-16-9-16
660' FNL & 1990' FWL
NE/NW Section 16-T9S-R16E
Duchesne Co, Utah
API #43-013-33847; Lease #Utah State ML-16532

State 2-16-9-16

Spud Date: 3/31/08

Put on Production: 5/28/08

GL: 5809' KB: 5821'

SURFACE CASING

CSG SIZE 8-5/8"

GRADE J-55

WEIGHT 24#

LENGTH 7 jts (314 36')

DEPTH LANDED: 324.36'

HOLE SIZE 12-1/4"

CEMENT DATA 160 sx Class "G", circ 3 bbls to surf.

PRODUCTION CASING

CSG SIZE 5-1/2"

GRADE J-55

WEIGHT: 15.5#

LENGTH 141 jts (5817 67')

HOLE SIZE 7-7/8"

DEPTH LANDED 5815 67'

CEMENT DATA 315 sxs Prem Lite II & 415 sxs 50/50 Poz

CEMENT TOP AT 54' per CBL 5/15/08

TUBING (GI 4/5/11)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#

NO OF JOINTS 178 jts (5548 8')

TUBING ANCHOR 5560 8'

NO OF JOINTS: 1 jt (31 5')

SEATING NIPPLE 2-7/8" (1 10')

SN LANDED AT 5595 1' KB

NO OF JOINTS 2 jts (62 1')

NOTCHED COLLAR 2-7/8" (0 5')

TOTAL STRING LENGTH EOT @ 5659' KB

SUCKER RODS (GI 4/5/11)

POLISHED ROD 1-1/2" x 26' polished rod

SUCKER RODS 8', 4', 4' 7/8" pony rods, 97 x 3/4" guided rods, 79 x 3/4" guided rods, 40 x 3/4" guided rods, 6 x 1-1/2" weight rods, 6(4') x 1" stabilizer rods

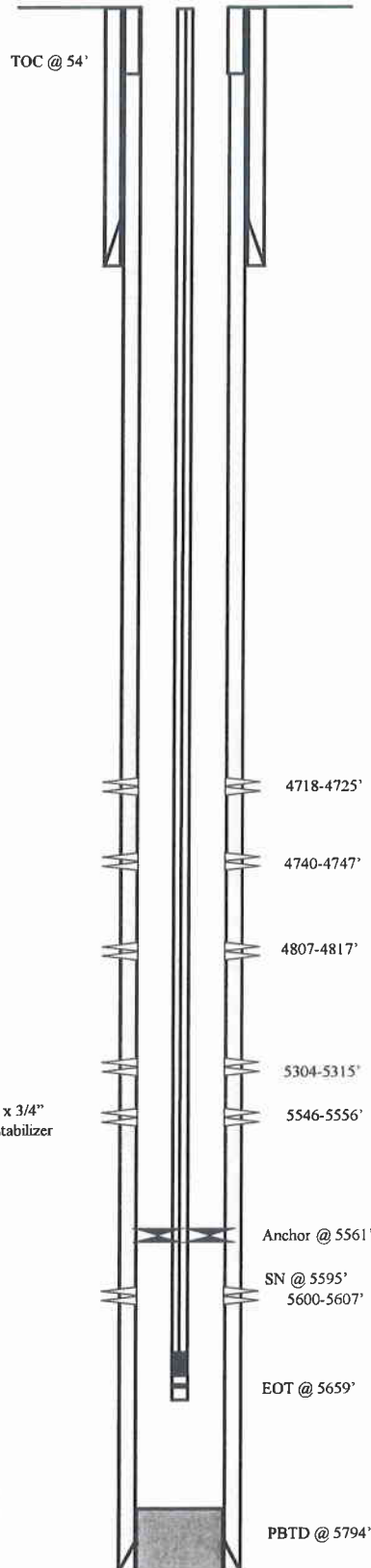
PUMP SIZE 2-1/2" x 1-1/4" x 16 RHAC

STROKE LENGTH 63"

PUMP SPEED, SPM 4

PUMPING UNIT: LUFKIN C-228-212-86

Wellbore Diagram

FRAC JOB

05-21-08 5546-5556' **Frac CPI sds as follows:**
15,030# 20/40 sand in 274 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1971 psi @ ave rate of 26 4 BPM ISIP 1642 psi Actual Flush: 5040 gals

05-21-08 5304-5315' **Frac LODC sds as follows:**
20,640# 20/40 sand in 313 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2881 psi @ ave rate of 23 BPM ISIP 2797 psi Actual Flush: 4801 gals

05-21-08 4807-4817' **Frac C sds as follows:**
24,830# 20/40 sand in 339 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2219 psi @ ave rate of 23 BPM ISIP 2256 psi Actual Flush: 4330 gals

05-22-08 4718-4725' **Frac D2 & D3 sds as follows:**
25,834# 20/40 sand in 447 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2017 psi @ ave rate of 23 5 BPM ISIP 2000 psi Actual flush: 4670 gals

2/18/09 Tubing Leak Updated r & t details

4/7/11 Tubing leak Updated Rod & tubing details

PERFORATION RECORD

4718-4725'	4 JSPF	28 holes
4740-4747'	4 JSPF	28 holes
4807-4817'	4 JSPF	40 holes
5304-5315'	4 JSPF	44 holes
5546-5556'	4 JSPF	40 holes
5600-5607'	4 JSPF	28 holes



State 2-16-9-16

497' FNL & 1982' FEL

NW/NE Section 16-T9S-R16E

Duchesne Co, Utah

API #43-013-33846; Lease #ML-16532

State 1-16-9-16

Spud Date: 3/29/08

Put on Production: 5/21/08

GL: 5776' KB: 5788'

Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"

GRADE J-55

WEIGHT 24#

LENGTH 7 jts

DEPTH LANDED 323.67

HOLE SIZE 12-1/4"

CEMENT DATA To surface with 160 sx Class "G" cmt

PRODUCTION CASING

CSG SIZE 5-1/2"

GRADE J-55

WEIGHT 15.5#

LENGTH 152 jts

HOLE SIZE 7-7/8"

DEPTH LANDED 5835'

CEMENT DATA 300 sx Prem Lite II & 425 sx 50/50 POZ

CEMENT TOP AT 90'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#

NO OF JOINTS 173 jts (5491')

TUBING ANCHOR 5503'

NO OF JOINTS 1 jt (31.4')

SEATING NIPPLE 2-7/8" (1 10')

SN LANDED AT 5537' KB

NO OF JOINTS 2 jts (62.9')

TOTAL STRING LENGTH EOT @ 5602 w/12 kb

SUCKER RODS

POLISHED ROD 1-1/2" x 22' polished rod 'B'

SUCKER RODS 1-2", 1-4" x 3/4" pony rods, 95- 3/4" guided rods, 43-3/4" sucker rods, 74- 3/4" guided rods, 6- 1 1/2" sinker bars, 6-1" stabilizer rods

PUMP SIZE 2-1/2" x 1-1/4" x 12' x 16' RHAC pump 'CDI'

STROKE LENGTH 86"

PUMP SPEED, SPM 4

FRAC JOB

05-15-08 5549-5556' Frac CPI sds as follows:

19,592# 20/40 sand in 324 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2457 psi @ ave rate of 23.1 BPM ISIP 1720 psi Actual Flush 5040 gals

05-15-08 5200-5211' Frac LODC sds as follows:

44,487# 20/40 sand in 448 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2174 psi @ ave rate of 23.4 BPM ISIP 2560 psi Actual Flush 4696 gals

05-15-08 5086-5096' Frac A1 sds as follows:

45,335# 20/40 sand in 439 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1987 psi @ ave rate of 23.3 BPM ISIP 2240 psi Actual Flush 4578 gals

05-15-08 4938-4944' Frac B2 sds as follows:

20,020# 20/40 sand in 310 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2133 psi @ ave rate of 23.2 BPM Pumped 504 gals of 15% HCL in flush for Stage #5 ISIP 1885 psi Actual Flush 4431 gals

05-15-08 4762-4768' Frac D3 sds as follows:

20,619# 20/40 sand in 307 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1898 psi @ ave rate of 23.4 BPM Pumped 504 gals of 15% HCL in flush for Stage #6 ISIP 2099 psi Actual Flush 4255 gals

05-15-08 4155-4165' Frac GB4 & GB6 sds as follows:

91,335# 20/40 sand in 664 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1983 psi @ ave rate of 23.3 BPM ISIP 1900 psi Actual Flush 4078 gals

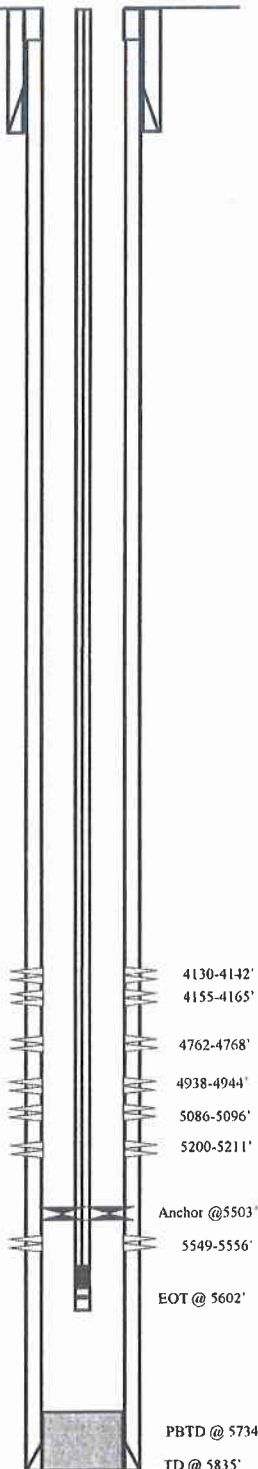
2/19/09 Pump Change Updated r & t details

9/17/09 Tubing Leak Updated rod & tubing details

11/19/09 Pump Change Updated rod & tubing

6/14/2010 Tubing Leak Update rod and tubing details

03/25/11 Pump Change Rod & tubing updated

PERFORATION RECORD

4130-4142'	4 JSPF	48 holes
4155-4165'	4 JSPF	40 holes
4762-4768'	4 JSPF	24 holes
4938-4944'	4 JSPF	24 holes
5086-5096'	4 JSPF	40 holes
5200-5211'	4 JSPF	44 holes
5549-5556'	4 JSPF	28 holes

NEWFIELD



State 1-16-9-16
687' FNL & 831' FEL
NE/NE Section 16-T9S-R16E
Duchesne Co, Utah
API #43-013-33845; Lease #Utah State ML-16532

TW 08/09/11

State 4-16-9-16

Spud Date: 4/1/08
Put on Production: 6/3/08
GL: 5881' KB: 5893'

SURFACE CASING

CSG SIZE 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH 7jts (300 96')
DEPTH LANDED: 312.81' KB
HOLE SIZE 12-1/4"
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 6 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH 158jts 5819.28
HOLE SIZE 7-7/8"
DEPTH LANDED 5832.53'
CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz
CEMENT TOP AT: 48'

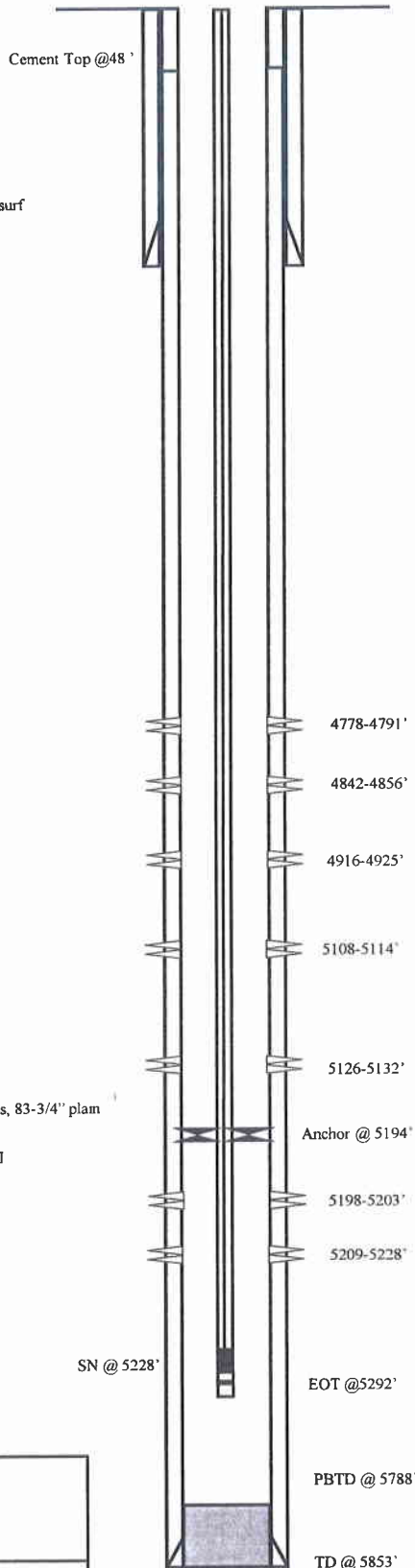
TUBING

SIZE/GRADE/WT : 2 7/8" / J-55 / 6.5#
NO OF JOINTS 175 jts 5182.02
TUBING ANCHOR 5194.02'
NO OF JOINTS: 1jt (31.52')
SEATING NIPPLE 2 7/8"
SN LANDED AT: 5228.29'
NO OF JOINTS: 2jts 62.47
TOTAL STRING LENGTH EOT@ 5292.31'

SUCKER RODS

POLISHED ROD 1 1/2" x 26' polished rod
SUCKER RODS 1-2", 8' x 1/4" pony subs, 99-3/4" guided rods, 83-3/4" plan rods, 20-3/4" guided rods, 6-1 1/2" weight bars
PUMP SIZE 2 1/2" x 1 1/2" x 12' x 15 1/2' RHAC rod pump CDI
STROKE LENGTH 58
PUMP SPEED, SPM: 5

Wellbore Diagram

FRAC JOB

05-28-08 5209-5228' Frac LODC sds as follows:
200,061# 20/40 sand in 1373 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1997 psi w/ ave rate of 27.3 BPM ISIP 2322 psi Actual Flush: 4683 gals

05-28-08 5108-5114' Frac A1 & A3 sds as follows:
120,424# 20/40 sand in 868 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1922 psi w/ ave rate of 27.0 BPM ISIP 2220 psi Actual Flush: 4616 gals

05-28-08 4916-4925' Frac B1 sds as follows:
54,952# 20/40 sand in 495 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1767 psi w/ ave rate of 23.4 BPM ISIP 1705 psi Actual Flush: 4406 gals

05-28-08 4842-4856' Frac C sds as follows:
115,003# 20/40 sand in 846 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM ISIP 1926 psi Actual Flush: 4330 gals

05-28-08 4778-4791' Frac D3 sds as follows:
115,003# 20/40 sand in 846 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM ISIP 1926 psi Actual Flush: 4679 gals

3/28/09 Pump Change Updated r & t details
6/5/09 Pump Change Updated rod & tubing details

PERFORATION RECORD

4778-4791'	4 JSPF	52 holes
4842-4856'	4 JSPF	56 holes
4916-4925'	4 JSPF	36 holes
5108-5114'	4 JSPF	24 holes
5126-5132'	4 JSPF	24 holes
5198-5203'	4 JSPF	20 holes
5209-5228'	4 JSPF	76 holes

NEWFIELD



State 4-16-9-16
660' FNL & 815' FWL
NW/NW Section 16-T9S-R16E
Duchesne Co, Utah
API #43-013-33848; Lease #Utah State ML-16532

State 5-16-9-16

Spud Date: 04-07-08
 Put on Production: 05-14-08
 GL 5922' KB 5934'

Wellbore Diagram

SURFACE CASING

CSG SIZE 8-7/8"
 GRADE J-55
 WEIGHT 24#
 LENGTH 7 jts (312.48')
 DEPTH LANDED 324'
 HOLE SIZE 12-1/4"
 CEMENT DATA 160 sxs Class "G" cmt

PRODUCTION CASING

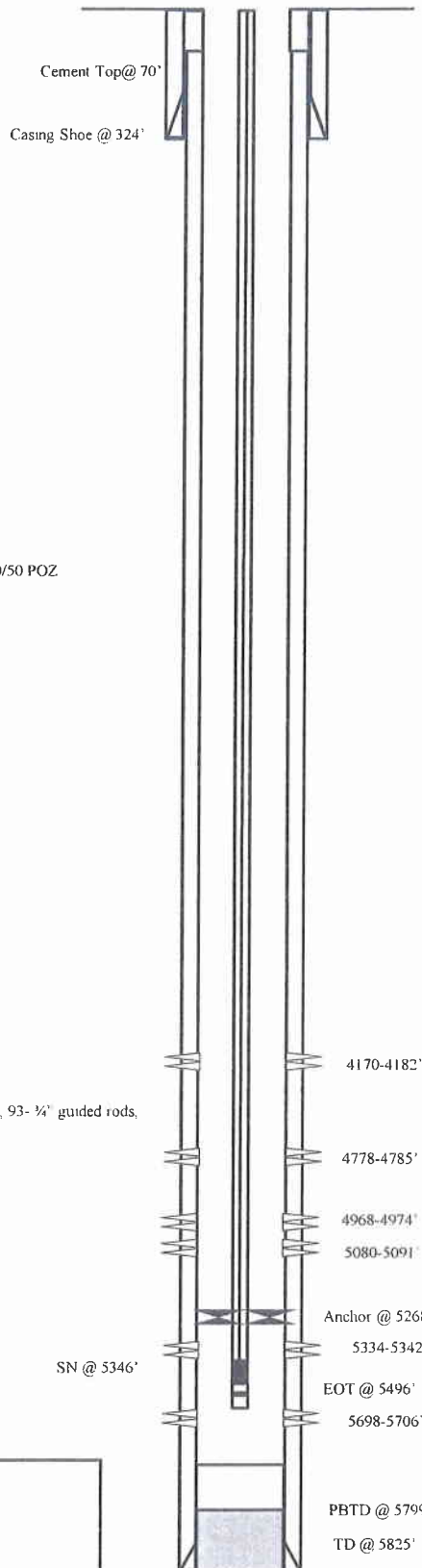
CSG SIZE 5-1/2"
 GRADE J-55
 WEIGHT 15.5#
 LENGTH 139jts (5807.48') Includes Shoe Jt (20.6')
 HOLE SIZE 7-7/8"
 DEPTH LANDED 5820.73'
 CEMENT DATA 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ
 CEMENT TOP AT 70'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#
 NO OF JOINTS 168 jts (5268.1')
 TUBING ANCHOR 5268.1'
 NO OF JOINTS 2 jts (62.6')
 SEATING NIPPLE 2-7/8" (1.10')
 SN LANDED AT 5345.51' KB
 NO OF JOINTS 5 jts (155.2')
 TOTAL STRING LENGTH EOT @ 5496'

SUCKER RODS

POLISHED ROD 1-1/2" x 26"
 SUCKER RODS 2- 4' x 3/4" pony rods, 94- 3/4" guided rods, 93- 3/4" guided rods,
 20- 3/4" guided rods, 6- 1 1/2" weight bars
 PUMP SIZE 2-1/2" x 1-1/2" x 14' x 18" RHAC
 STROKE LENGTH 102"
 PUMP SPEED, SPM 5

FRAC JOB

05-07-08	5698-5706'	Frac CP3 sands as follows: Frac with 34586 #'s of 20/40 sand in 434 bbls of Lightning 17 fluid. Treat at an ave pressure of 1941 psi @ 23.2 BPM ISIP 2046 psi
05-07-08	5334-5342'	Frac LODC sands as follows: Frac with 24721 #'s of 20/40 sand in 348 bbls of Lightning 17 fluid. Treat at an ave pressure of 2425 psi @ 23.2 BPM ISIP 2165 psi
05-07-08	5080-5091'	Frac A.5 sands as follows: Frac with 84098 #'s of 20/40 sand in 666 bbls of Lightning 17 fluid. Treat at an ave pressure of 2065 psi @ 23.2 BPM ISIP 2582 psi
05-07-08	4968-4974'	Frac B2 sand as follows: Frac with 24764 #'s of 20/40 sand in 354 bbls of Lightning 17 fluid. Treat at an ave pressure of 3365 psi @ 23.3 BPM ISIP 2959 psi
05-07-08	4778-4785'	Frac D2 sands as follows: Frac with 24664 #'s of 20/40 sand in 341 bbls Lightning of 17 fluid. Treat at an ave pressure of 1975 psi @ 23.3 BPM ISIP 2279 psi
05-07-08	4170-4182'	Frac GB4 sands as follows: Frac with 59402 #'s of 20/40 sand in 511 bbls of Lightning 17 fluid. Treat at an ave pressure of 1805 psi @ 23.3 BPM ISIP 1929 psi
12-18-09		Pump Change. Update rod and tubing detail

PERFORATION RECORD

4170-4182'	4 JSPF	48 holes
4778-4785'	4 JSPF	28 holes
4968-4974'	4 JSPF	24 holes
5080-5091'	4 JSPF	44 holes
5334-5342'	4 JSPF	32 holes
5698-5706'	4 JSPF	32 holes

NEWFIELD



State 5-16-9-16
 2043' FNL & 758' FWL
 SWNW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33849; Lease #Utah State ML-16532

State 6-16-9-16

Spud Date: 03-03-08
 Put on Production: 05-12-08
 GL: 5876' KB: 5888'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts (321.48')
 DEPTH LANDED: 431'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 205 sxs Class "G" cement

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts (5809.35')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5822.6'
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ
 CEMENT TOP AT: 38'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55
 NO. OF JOINTS: 175 jts (5514.2')
 TUBING ANCHOR: 5526.2'
 NO. OF JOINTS: 1 jts (31.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5560.5' KB
 NO. OF JOINTS: 2 jts (63.0')
 TOTAL STRING LENGTH: EOT @ 5625' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 1-2" x 3/4" pony rod, 1-6" x 3/4" pony rods, 77- 3/4" 4per guided rods, 21- 7/8" 8per guided rods, 62- 3/4" sucker rods, 55- 3/4" 4per guided rods, 6- 1 1/2" weight bars
 PUMP SIZE: 2-1/2" x 1-1/2" x 12" x 16" RHAC pump
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4

FRAC JOB

4-29-08 5548-5574' **Frac CP1 sands as follows:**
 Frac with 125681 #'s of 20/40 sand in 903 bbls of Lightning 17 fluid. Treat at an ave pressure of 1713 psi @ 23.9 BPM ISIP 2198 psi

4-29-08 5086-5094' **Frac A1 sands as follows:**
 Frac with 60763 #'s of 20/40 sand in 507 bbls of Lightning 17 fluid. Treat at an ave pressure of 2229 psi @ 23.2 BPM ISIP 2405 psi

4-29-08 4692-4748' **Frac D3 & D2 sands as follows:**
 Frac with 133141 #'s of 20/40 sand in 962 bbls of Lightning 17 fluid. Treat at an ave pressure of 2005 psi @ 24.6 BPM ISIP 2005 psi

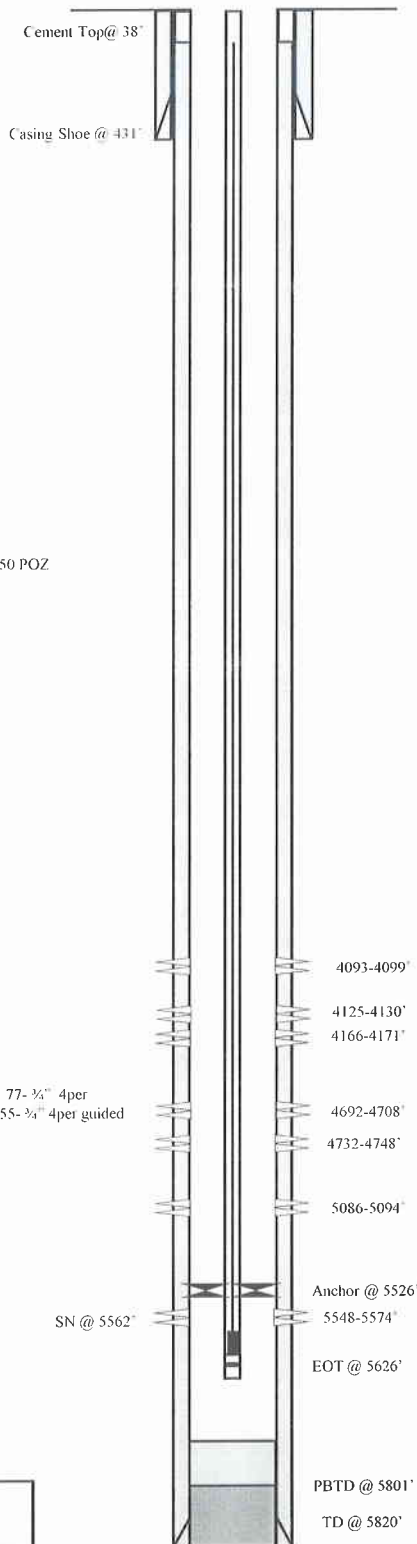
4-29-08 4093-4171' **Frac GB4 & GB6 sand as follows:**
 Frac with 43849 #'s of 20/40 sand in 426 bbls of Lightning 17 fluid. Treat at an ave pressure of 1908 psi @ 23.2 BPM ISIP 1900 psi

7/14/08 pump change Updated tubing and rod detail

9/9/08 Pump Change Updated rod & tubing details

3/23/10 Pump change Updated rod and tubing detail

1/26/12 Parted rods Updated rod and tubing detail

PERFORATION RECORD

Interval	Tool Joint	Holes
4093-4099'	4 JSPF	24 holes
4125-4130'	4 JSPF	20 holes
4166-4171'	4 JSPF	20 holes
4692-4708'	4 JSPF	64 holes
4732-4748'	4 JSPF	64 holes
5086-5094'	4 JSPF	32 holes
5548-5574'	4 JSPF	104 holes



State 6-16-9-16
 1849' FNL & 1974' FEL
 SENW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33850; Lease # Utah State ML-16532

ML 5/14/2010
 Updated HC 1/30/12

State 11-16-9-16

Spud Date: 07-16-08
 Put on Production: 08-27-08
 GL: 5907' KB: 5919'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts (403.45')
 DEPTH LANDED: 413.45'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 218 sxs Class "G" cement

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 139 jts (5809.54')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5822.14'
 CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ
 CEMENT TOP AT: 40'

TUBING

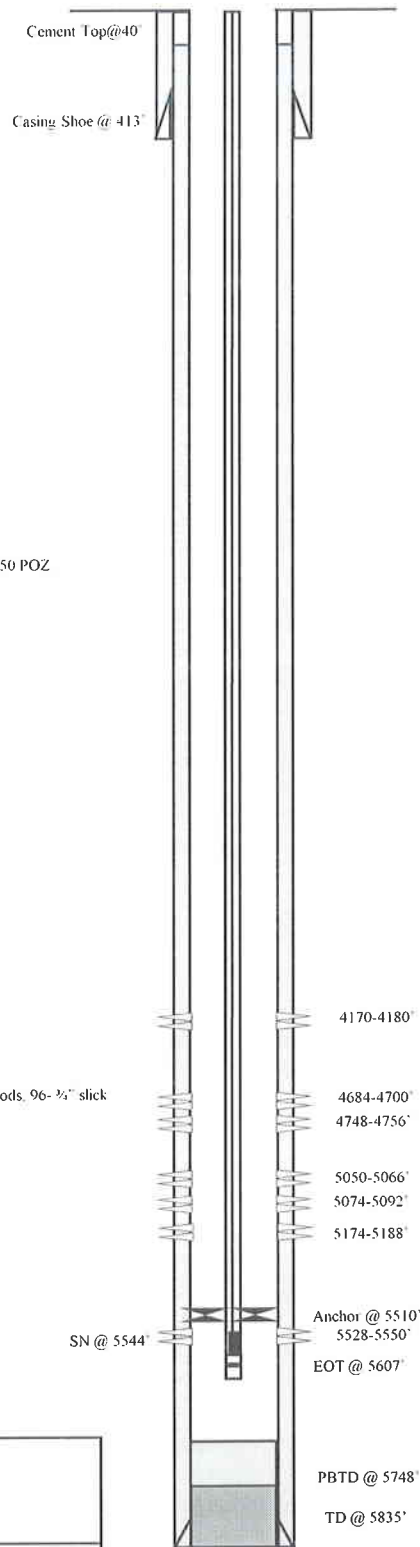
SIZE/GRADE/WT: 2-7/8" / J-55
 NO. OF JOINTS: 179 jts (5498.10')
 TUBING ANCHOR: 5510.10'
 NO. OF JOINTS: 1 jts (31.40')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5543.77 KB
 NO. OF JOINTS: 2 jts (61.22')
 TOTAL STRING LENGTH: EOT @ 5606.54' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 1-2", 4" x 3/4" pony subs, 110- 3/4" guided rods, 96- 3/4" slick rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 18" RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 4.75

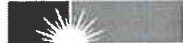
FRAC JOB

08-18-08	5528-5550'	Frac CPl sands as follows: Frac with 85230 #'s of 20/40 sand in 662 bbls of Lightning 17 fluid. Treat at an ave pressure of 1430 psi @ 23.3 BPM ISIP 1935 psi
08-18-08	5174-5188'	Frac LODC sands as follows: Frac with 35330 #'s of 20/40 sand in 371 bbls of Lightning 17 fluid. Treat at an ave pressure of 3100 psi @ 20.1 BPM ISIP 4026 psi
08-18-08	5050-5092'	Frac A1 sands as follows: Frac with 84924 #'s of 20/40 sand in 701 bbls Lightning 17 fluid. Treat at an ave pressure of 1705 psi @ 23.2 BPM ISIP 2112 psi
08-18-08	4684-4756'	Frac D2 & D3 sands as follows: Frac with 50386 #'s of 20/40 sand in 440 bbls of Lightning 17 fluid. Treat at an ave pressure of 1826 psi @ 23.1 BPM ISIP 2101 psi
08-18-08	4170-4180'	Frac GB6 sands as follows: Frac with 39122 #'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Treat at an ave pressure of 1873 psi @ 23.1 BPM ISIP 1993 psi
9/10/08		Pump Change Updated rod & tubing details

PERFORATION RECORD

4170-4180'	4 JSPF	40 holes
4684-4700'	4 JSPF	64 holes
4748-4756'	4 JSPF	32 holes
5050-5066'	4 JSPF	64 holes
5074-5092'	4 JSPF	72 holes
5174-5188'	4 JSPF	56 holes
5528-5550'	4 JSPF	88 holes

NEWFIELD



State 11-16-9-16
 2129' FSL & 1899' FWL
 NESW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33851; Lease # ML-16532

Spud Date: 3-25-82
Put on Production: 8-26-82

CP State 32-16

Wellbore Diagram

SURFACE CASING

CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MG)	HOLE SIZE	EXHAUSTING RECORD
8-5/8"	24#	255'	12-1/4"	200 sx Class 'G'
5-1/2"	15.5#	5650'	7-7/8"	260 sx 50-50 Poz

FRAC JOB

5504-5512' and 5526-5554' - Acidized with 2000 gal. 15% HCl with 1000 gal. terasperse, 20 gal. FE-1A & 2 gal. HAL-75 inhibitor. Fraced with 42,000 gal. VEG-1400 gelled water with 62,500# 20/40 sand & 10,000# 10/20 sand.

5000-5010' and 4732-4738' - Fraced with 25,000 gal. VEG-1400 gelled water with 26,000# of 20/40 sand & 10,000# of 10/20 sand.

Casing Shoe @ 255'

TUBING

Size 2 7/8"
Total String Length EOT 5584'

TOC @ 4480'

PERFORATION RECORD

5504-5512' - 2 SPF, 23 gram, 4" gun

5526-5554' - 2 SPF, 23 gram, 4" gun

5000-5010' - 2 SPF, 23 gram, 4" gun

4732-4738' - 2 SPF, 23 gram, 4" gun

EOT @ 5584'

PBTD @ 5620'

TD @ 5650'



CP State 32-16
2009' FNL & 1838' FEL
SW/NE Section 16-T9S-R16E
Duchesne County, Utah
API #43-013-30650; Lease #ML-16532

Federal 11A-9-9-16

Spud Date: 4-23-07
Put on Production: 6-1-07
GL: 5842' KB: 5854'

Wellbore Diagram

Initial Production: BOPD
MCFD: BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (309' 65")
DEPTH LANDED: 321' 5" KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 140 jts (6101' 12")
DEPTH LANDED: 6117' 53" KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem Lite II mixed & 450 sxs 50/50 POZ
CEMENT TOP AT: 156'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55
NO OF JOINTS: 192 jts (5901' 99")
TUBING ANCHOR: 5913' 99" KB
NO OF JOINTS: 1 jts (31' 43")
SEATING NIPPLE: 2-7/8" (1' 10")
SN LANDED AT: 5948' 22" KB
NO OF JOINTS: 2 jts (62' 97")
TOTAL STRING LENGTH: EOT @ 6012' 74" KB

SUCKER RODS

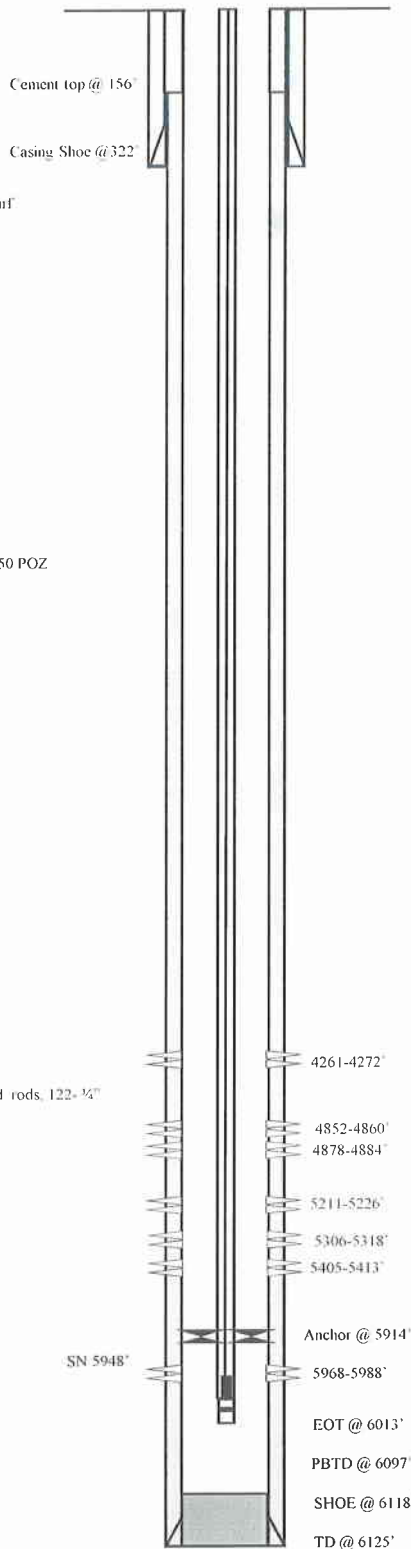
POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-8", 6", 4", x 3/4" pony rods, 98- 3/4" scraped rods, 122- 3/4" plain rods, 10- 3/4" scraped rods, 6- 1 1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 15.5" RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

FRAC JOB

06-01-07	5968-5988'	Frac CP5 sands as follows: 86018# 20/40 sand in 657 bbls Lightning 17 frac fluid Treated @ avg press of 1731 psi w/avg rate of 24.8 BPM ISIP 2226 psi Calc flush: 5966 gal Actual flush: 5460 gal
06-01-07	5405-5413'	Frac LODC sands as follows: 15233# 20/40 sand in 657 bbls Lightning 17 frac fluid Treated @ avg press of 2238 psi w/avg rate of 24.8 BPM ISIP 2359 psi Calc flush: 5403 gal Actual flush: 4956 gal
06-01-07	5306-5318'	Frac LODC sands as follows: 25167# 20/40 sand in 345 bbls Lightning 17 frac fluid Treated @ avg press of 2598 psi w/avg rate of 24.7 BPM ISIP 3184 psi Calc flush: 5304 gal Actual flush: 4830 gal
06-01-07	5211-5226'	Frac A3 sands as follows: 81060# 20/40 sand in 608 bbls Lightning 17 frac fluid Treated @ avg press of 1601 w/avg rate of 24.7 BPM ISIP 1930 psi Calc flush: 5209 gal Actual flush: 4746 gal
06-01-07	4852-4884'	Frac D3 sands as follows: 20066# 20/40 sand in 293 bbls Lightning 17 frac fluid Treated @ avg press of 1701 w/avg rate of 24.8 BPM ISIP 1800 psi Calc flush: 4948 gal Actual flush: 4368 gal
06-01-07	4261-4272'	Frac GB4 sands as follows: 55827# 20/40 sand in 453 bbls Lightning 17 frac fluid Treated @ avg press of 1508 w/avg rate of 24.8 BPM ISIP 1752 psi Calc flush: 4424 gal Actual flush: 4326 gal
9-30-08		Pump Change: Updated rod & tubing details.

PERFORATION RECORD

05-21-07	5968-5988'	4 JSPF	80 holes
06-01-07	5405-5413'	4 JSPF	32 holes
06-01-07	5306-5318'	4 JSPF	48 holes
06-01-07	5211-5226'	4 JSPF	60 holes
06-01-07	4878-4884'	4 JSPF	24 holes
06-01-07	4852-4860'	4 JSPF	32 holes
06-01-07	4261-4272'	4 JSPF	44 holes

**Federal 11A-9-9-16**

1984' FSL & 1980' FWL

NE/SW Section 9-T9S-R16E

Duchesne Co, Utah

API # 43-013-33050; Lease # UTU-7981

FEDERAL 14-9-9-16

Spud Date: 03/20/07
Put on Production: 05/15/07
GL: 5814' KB: 5826'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (311.85')
DEPTH LANDED: 321.85' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G", circ. 5 bbls to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 137 jts (6072.44')
DEPTH LANDED: 6070.44' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem Lite II & 450 sxs 50/50 POZ
CEMENT TOP: 103' per CBL 4/18/07

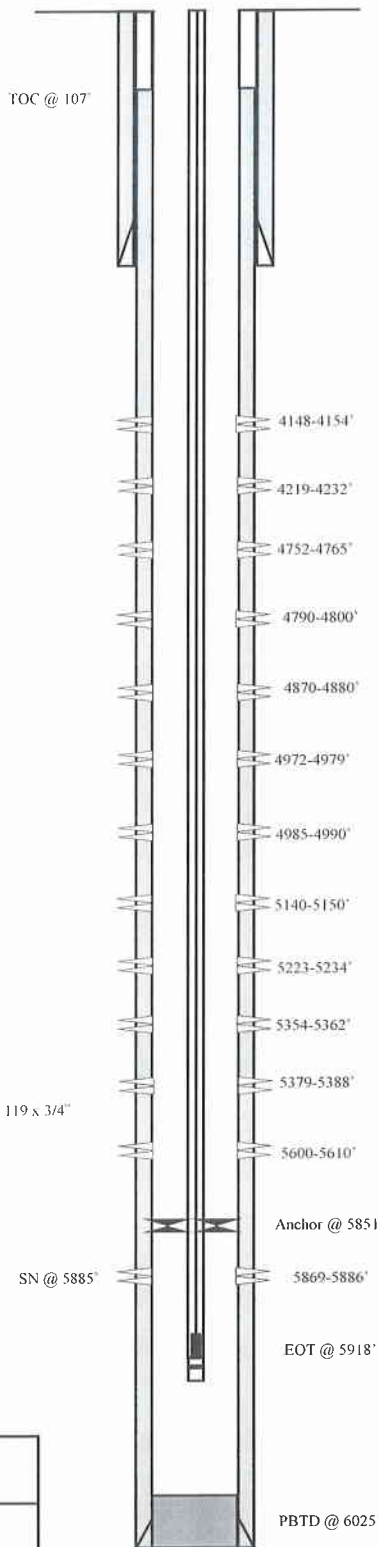
TUBING (GI 3/9/11)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 185 jts (5850.8')
TUBING ANCHOR: 5851'
NO. OF JOINTS: 1 jts (31.52')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5885.1' KB
NO. OF JOINTS: 1 jts (31.60')
NOTCHED COLLAR: 2-7/8" (0.5')
TOTAL STRING LENGTH: EOT @ 5918'

SUCKER RODS (GI 3/9/11)

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 4" x 3/4" pony rod, 99 x 3/4" Guided Rods(4per), 119 x 3/4"
Sucker Rods, 10 x 3/4" Guided Rods(4per), 6 x 1-1/2" sinker bars
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12' x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 3.9
PUMPING UNIT: AMERICAN C-228-246-86

Wellbore Diagram

**FRAC JOB**

05/07/07	5869-5886'	Frac CP4 sands as follows: 58920# 20/40 sand in 518 bbls Lightning 17 frac fluid
05/07/07	5600-5610'	Frac CPI sands as follows: 24630# 20/40 sand in 362 bbls Lightning 17 frac fluid
05/08/07	5354-5388'	Frac LODC sands as follows: 59848# 20/40 sand in 500 bbls Lightning 17 frac fluid
05/08/07	5223-5234'	Frac A3 sands as follows: 29710# 20/40 sand in 343 bbls Lightning 17 frac fluid
05/08/07	5140-5150'	Frac A1 sands as follows: 45023# 20/40 sand in 417 bbls Lightning 17 frac fluid
05/08/07	4985-4990'	Frac B2 sands as follows: 49798# 20/40 sand in 438 bbls Lightning 17 frac fluid
05/08/07	4870-4979	Frac C sands as follows: 19413# 20/40 sand in 293 bbls Lightning 17 frac fluid
05/08/07	4752-4800	Frac D3 & D2 sands as follows: 90249# 20/40 sand in 1959 bbls Lightning 17 frac fluid
05/08/07	4148-4232	Frac GB6 & GB4 sands as follows: 40824# 20/40 sand in 382 bbls Lightning 17 frac fluid
05/23/08		updated rod and tubing detail
03/12/11		Parted Rods. Rod & tubing details updated

PERFORATION RECORD

04/18/07	5869-5886'	4 JSPF	68 holes
05/07/07	5600-5610'	4 JSPF	40holes
05/07/07	5379-5388'	4 JSPF	36 holes
05/08/07	5354-5362'	4 JSPF	32 holes
05/08/07	5223-5234'	4 JSPF	44 holes
05/08/07	5140-5150'	4 JSPF	40 holes
05/08/07	4985-4990'	4 JSPF	20 holes
05/08/07	4972-4979'	4 JSPF	28 holes
05/08/07	4870-4880'	4 JSPF	40 holes
05/08/07	4790-4800'	4 JSPF	40 holes
05/08/07	4752-4765'	4 JSPF	52 holes
05/08/07	4219-4232'	4 JSPF	52 holes
05/08/07	4148-4154'	4 JSPF	24 holes

**FEDERAL 14-9-9-16**

718'FSL & 1976' FWL
SE/SW Section 9-T9S-R16E
Duchesne Co, Utah

API #43-013-33053; Lease # UTU-79831

TD @ 6075'

GI 5/17/12

FEDERAL 13-9-9-16

Attachment E-10

Spud Date: 04/21/07
Put on Production: 5/31/07

GL 5878' KB 5890'

SURFACE CASING

CSG SIZE 8-5/8"
GRADE J-55
WEIGHT 24#
LENGTH 7 jts (313.03')
DEPTH LANDED: 323.03' KB
HOLE SIZE 12-1/4"
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"
GRADE J-55
WEIGHT 15.5#
LENGTH 137 jts (6018.39')
DEPTH LANDED: 6014.39' KB
HOLE SIZE 7-7/8"
CEMENT DATA 300 sxs Prem Lite II mixed & 450 sxs 50/50 POZ
TOP OF CEMENT Surface

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#
NO OF JOINTS 179 jts (5597.6')
TUBING ANCHOR 5609.6' KB
NO OF JOINTS 2 jts (62.6')
SEATING NIPPLE 2-7/8" (1.10')
SN LANDED AT 5675.0' KB
NO OF JOINTS 2 jts (62.7')
TOTAL STRING LENGTH EOT @ 5739' KB

SUCKER RODS

POLISHED ROD 1-1/2" x 26' SM polished rods
SUCKER RODS 1 x 1/4" = 4' pony rod, 89- 1/4" = 2250' guided rods, 86- 1/4" = 2150' sucker rods, 44- 1/4" = 1100' guided rods, 6- 1 1/2" = 150' sinker bars
PUMP SIZE CDI 2-1/2" x 1-1/4" x 16' x 20' RHAC
STROKE LENGTH 102"
PUMP SPEED, SPM 5

Wellbore Diagram


Casing shoe @ 323'

FRAC JOB

05/25/07	5625-5670'	Frac CP.5 & CP2 sands as follows: 14942# 20/40 sand in 271 bbls Lightning 17 frac fluid Treated @ avg press of 2299 psi w/avg rate of 24.6 BPM. ISIP 2063 psi. Calc flush: 5623 gal Actual flush 5120 gal
05/25/07	5400-5422'	Frac LODC sands as follows: 138714# 20/40 sand in 970 bbls Lightning 17 frac fluid Treated @ avg press of 2903 psi w/avg rate of 24.7 BPM. ISIP 3560 psi. Calc flush: 5398 gal Actual flush: 4893 gal
05/25/07	5204-5215'	Frac A3 sands as follows: 55148# 20/40 sand in 467 bbls Lightning 17 frac fluid Treated @ avg press of 2274 psi w/avg rate of 24.6 BPM. ISIP 2052 psi. Calc flush: 5202 gal Actual flush: 4696 gal
05/25/07	4823-4832'	Frac D2 sands as follows: 50506# 20/40 sand in 419 bbls Lightning 17 frac fluid Treated @ avg press of 1952 psi w/avg rate of 24.7 BPM. ISIP 2034 psi. Calc flush: 4821 gal Actual flush: 4284 gal
05/25/07	4254-4262'	Frac GB4 sands as follows: 13089# 20/40 sand in 202 bbls Lightning 17 frac fluid Treated @ avg press of 1894 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4252 gal Actual flush: 4200 gal
2/24/09		Tubing Leak Updated r & t details
1/29/10		Tubing Leak Updated rod and tubing detail
8/1/2010		Parted rods Updated rod and tubing detail
11/24/2010		Parted rods Updated rod and tubing detail
5/20/11		Tubing leak Updated rod and tubing detail

PERFORATION RECORD

05/14/07	5665-5670'	4 JSPF	20 holes
05/14/07	5625-5630'	4 JSPF	20 holes
05/25/07	5400-5422'	4 JSPF	88 holes
05/25/07	5204-5215'	4 JSPF	44 holes
05/25/07	4823-4832'	4 JSPF	36 holes
05/25/07	4254-4262'	4 JSPF	32 holes



NEWFIELD

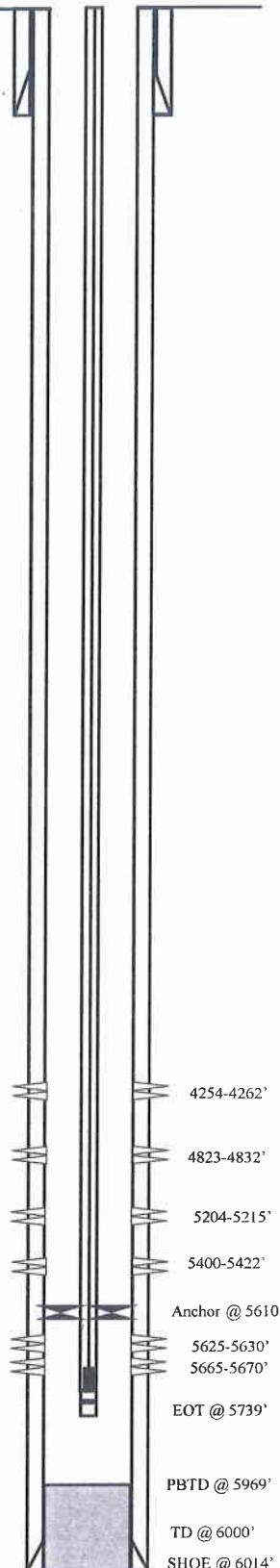
FEDERAL 13-9-9-16

734'FSL & 625' FWL

SW/SW Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-33052, Lease # UTU-64379



FEDERAL 15-9-9-16

Spud Date: 03/27/07
Put on Production: 05/18/07
GL:5788' KB:5800'

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE 8-5/8"
GRADE J-55
WEIGHT 24#
LENGTH 7 jts (312.28')
DEPTH LANDED 324.13' KB
HOLE SIZE 12-1/4"
CEMENT DATA 160 sxs Class "G" cmt, est 6 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"
GRADE J-55
WEIGHT 15.5#
LENGTH 139 jts (6038.30')
DEPTH LANDED 6051.55' KB
HOLE SIZE 7-7/8"
CEMENT DATA 300 sxs Prem Lite II mixed & 450 sxs 50/50 POZ
CEMENT TOP 52'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55
NO. OF JOINTS 179 jts (5602.3')
TUBING ANCHOR 5602.3'
NO. OF JOINTS 2 jts (63.2')
SEATING NIPPLE 2-7/8" (1.10')
SN LANDED AT 5668.2'
NO. OF JOINTS 2 jts (63.1')
TOTAL STRING LENGTH EOT @ 5733'

SUCKER RODS

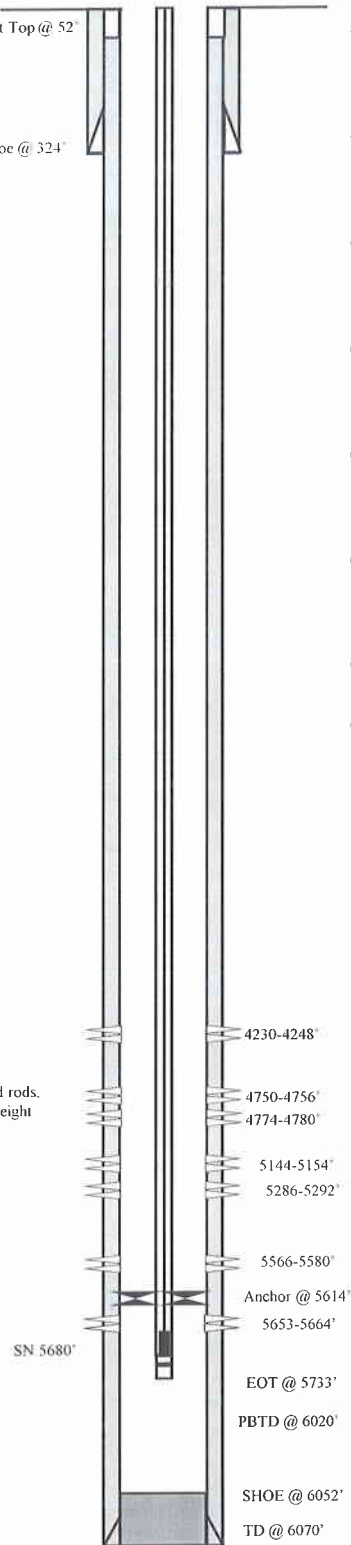
POLISHED ROD 1-1/2" x 22'
SUCKER RODS 1-4", 6" & 1-8" x 3/4" pony subs, 99-3/4"=2475' guided rods,
86-3/4" = 2150' sucker rods, 35-3/4" = 875' guided rods, 6-1 1/2" = 150' weight bars
PUMP SIZE CDI 2-1/2" x 1-1/2" x 12" x 16" RHAC
STROKE LENGTH 76"
PUMP SPEED, 5 SPM

FRAC JOB

05/09/07	5653-5664'	Frac CP2 sands as follows: 19973# 20/40 sand in 326 bbls Lightning 17 frac fluid Treated @ avg press of 1977 psi w/avg rate of 24.7 BPM ISIP 1722 psi Calc flush 5651 gal Actual flush 5166 gal
05/14/07	5566-5580'	Frac CP.5 sands as follows: 45412# 20/40 sand in 433 bbls Lightning 17 frac fluid Treated @ avg press of 1956 psi w/avg rate of 24.7 BPM ISIP 1956 psi Calc flush 5564 gal Actual flush 5122 gal
05/14/07	5286-5292'	Frac LODC sands as follows: 19538# 20/40 sand in 300 bbls Lightning 17 frac fluid Treated @ avg press of 2539 psi w/avg rate of 24.8 BPM ISIP 2675 psi Calc flush 5284 gal Actual flush 4830 gal
05/14/07	5144-5154'	Frac A3 sands as follows: 45178# 20/40 sand in 423 bbls Lightning 17 frac fluid Treated @ avg press of 1893 psi w/avg rate of 24.8 BPM ISIP 2111 psi Calc flush 5142 gal Actual flush 4662 gal
05/14/07	4750-4780'	Frac D2 sands as follows: 60592# 20/40 sand in 489 bbls Lightning 17 frac fluid Treated @ avg press of 1606 psi w/avg rate of 24.8 BPM ISIP 1847 psi Calc flush 4748 gal Actual flush 4284 gal
05/14/07	4230-4248'	Frac GB6 sands as follows: 92270# 20/40 sand in 664 bbls Lightning 17 frac fluid Treated @ avg press of 1955 psi w/avg rate of 24.8 BPM ISIP 2175 psi Calc flush 4228 gal Actual flush 4116 gal
9-5-07		Pump Change Updated rod & tubing details
12-13-07		Pump Change Updated rod & tubing details
6/27/2011		Pump Change Updated rod & tubing details

PERFORATION RECORD

05/09/07	5653-5664'	4 JSPF	44 holes
05/14/07	5566-5580'	4 JSPF	56 holes
05/14/07	5286-5292'	4 JSPF	24 holes
05/14/07	5144-5154'	4 JSPF	40 holes
05/14/07	4774-4780'	4 JSPF	24 holes
05/14/07	4750-4756'	4 JSPF	24 holes
05/14/07	4230-4248'	4 JSPF	72 holes

**FEDERAL 15-9-9-16**

731' FSL & 1804' FEL

SW/SE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-33054; Lease # UTU-020252 A

Federal 1-17-9-16

Spud Date: 9-13-06
 Put on Production: 11-15-06
 GL: 5878' KB: 5890'

Wellbore Diagram

Initial Production: BOPD
 MCFD: BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (311.97')
 DEPTH LANDED: 323.82' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 137 jts (6007.66')
 DEPTH LANDED: 6020.91' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem Lite II mixed & 450 sxs 50/50 POZ
 CEMENT TOP AT: 6'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO OF JOINTS: 183 jts (5544.7')
 TUBING ANCHOR: 5556.7' KB
 NO OF JOINTS: 2 jts (63.1')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5622.6' KB
 NO OF JOINTS: 2 jts (59.6')
 TOTAL STRING LENGTH: EOT @ 5684' KB

SUCKER RODS


POLISHED ROD: 1-1/2" x 26'
 SUCKER RODS: 99 x 3/4" = 2475' guided rods, 107 x 3/4" = 2675' sucker rods,
 10 x 3/4" = 250' guided rods, 6 x 1 1/2" = 150' weighted bars, 6 x 1 1/2" = 24'
 stabilizer rod
 PUMP SIZE: 2-1/2" x 1-1/4" x 12" x 16 RHAC
 STROKE LENGTH: 86"
 PUMP SPEED, SPM: 5 SPM

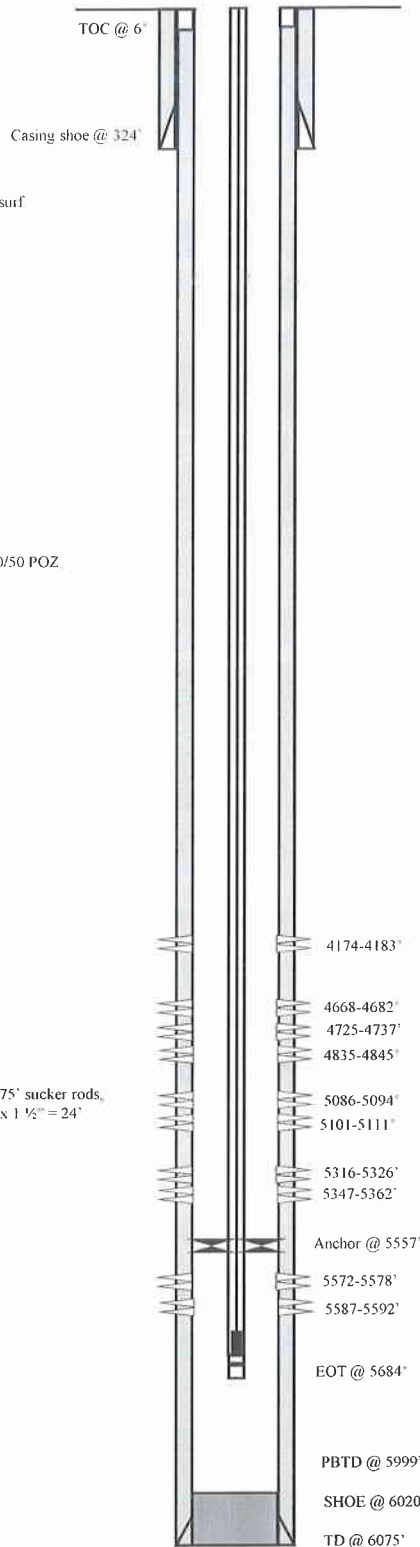
FRAC JOB

11-07-06	5572-5592'	Frac CP1 sands as follows: 25276# 20/40 sand in 354 bbls Lightning 17 frac fluid Treated @ avg press of 2000 psi w/avg rate of 25.5 BPM ISIP 2000 psi Calc flush: 5107 gal Actual flush: 5570 gal
11-07-06	5316-5362'	Frac LODC sands as follows: 140563# 20/40 sand in 964 bbls Lightning 17 frac fluid Treated @ avg press of 2425 psi w/avg rate of 25.5 BPM ISIP 2000 psi Calc flush: 4809 gal Actual flush: 5314 gal
11-08-06	5086-5111'	Frac A 1 sands as follows: 90538# 20/40 sand in 724 bbls Lightning 17 frac fluid Treated @ avg press of psi w/avg rate of BPM ISIP 2190 psi Calc flush: 4578 gal Actual flush: 5084 gal
11-08-06	4835-4845'	Frac C sands as follows: 30222# 20/40 sand in 404 bbls Lightning 17 frac fluid Treated @ avg press of 2105 w/ avg rate of 25.5 BPM ISIP 2060 psi Calc flush: 4368 gal Actual flush: 4833 gal
11-08-06	4668-4737'	Frac D1, & D2 sands as follows: 80170# 20/40 sand in 587 bbls Lightning 17 frac fluid Treated @ avg press of 1932 w/ avg rate of 25.5 BPM ISIP 2090 psi Calc flush: 4162 gal Actual flush: 4666 gal
11-08-06	4174-4183'	Frac GB4 sands as follows: 27661# 20/40 sand in 296 bbls Lightning 17 frac fluid Treated @ avg press of 1800 w/ avg rate of 25.3 BPM ISIP 1818 psi Calc flush: 4032 gal Actual flush: 4172 gal
4/13/11		Tubing leak. Updated rod & tubing detail.

PERFORATION RECORD

11-01-06	5587-5592'	4 JSPF	20 holes
11-01-06	5572-5578'	4 JSPF	24 holes
11-07-06	5347-5362'	4 JSPF	60 holes
11-07-06	5316-5326'	4 JSPF	40 holes
11-07-06	5101-5111'	4 JSPF	40 holes
11-07-06	5086-5094'	4 JSPF	32 holes
11-08-06	4835-4845'	4 JSPF	40 holes
11-08-06	4725-4737'	4 JSPF	48 holes
11-08-06	4668-4682'	4 JSPF	56 holes
11-08-06	4174-4183'	4 JSPF	36 holes


Federal 1-17-9-16 660' FNL & 660' FEL NE/NE Section 17-T9S-R16E Duchesne Co, Utah API # 43-013-33028; Lease # UTU-64379



ROCKY MOUNTAINS

API: 43-013-50441

Port Collar:
5,654' md to
Surface

burst & collapse values are book, no additional safety factors have been applied

TBG DETAIL:
 sand drain valve, 3 jts 2 7/8" tbg., Cavins De-sander, 2 7/8" sub, 1 jt 2 7/8" tbg., SN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 187 jts 2 7/8" tbg and tbg hanger.
 TA @5,870'. SN @ 5,903'. EOT @ 6,052'
NOTE on Tubing Anchor: TA (shortened inner springs & beveled outer springs—4.625" OD)

Weatherford MacGyver 1 3/4" x 28' rod pump, stabilizer sub, on/off tool, stabilizer sub, SE 4 Co-rod, 1- 8', 6', 4', 2' x 7/8" pony rods, 1 1/2" x 26' polished rod

Sand Total	100 mesh sand	335,921
590,309	30/50 mesh sand	244,388
	# sand per foot of lateral	153

MD TD	10,259
TVD TD	6,011

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Darren Betts**Well Name: **SWDIF**Lab Tech: **Gary Peterson**Sample Point: **After production filter**Sample Date: **12/9/2011**Sample ID: **WA-204150**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
		Cations	mg/L	Anions	mg/L
Test Date:	12/9/2011	Sodium (Na):	6799.09	Chloride (Cl):	10000.00
System Temperature 1 (°F):	300.00	Potassium (K):	26.10	Sulfate (SO4):	2.00
System Pressure 1 (psig):	3000.00	Magnesium (Mg):	9.40	Bicarbonate (HCO3):	1024.80
System Temperature 2 (°F):	70.00	Calcium (Ca):	26.80	Carbonate (CO3):	0.00
System Pressure 2 (psig):	14.70	Strontium (Sr):	0.00	Acetic Acid (CH3COO)	0.00
Calculated Density (g/ml):	1.01	Barium (Ba):	24.20	Propionic Acid (C2H5COO)	0.00
pH:	8.20	Iron (Fe):	0.47	Butanoic Acid (C3H7COO)	0.00
Calculated TDS (mg/L):	17913.62	Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	0.00
CO2 in Gas (%):	0.00	Lead (Pb):	0.70	Fluoride (F):	0.00
Dissolved CO2 (mg/L):	0.00	Ammonia NH3:	0.00	Bromine (Br):	0.00
H2S in Gas (%):	0.00	Manganese (Mn):	0.06	Silica (SiO2):	0.00
H2S in Water (mg/L):	10.00				

Notes:

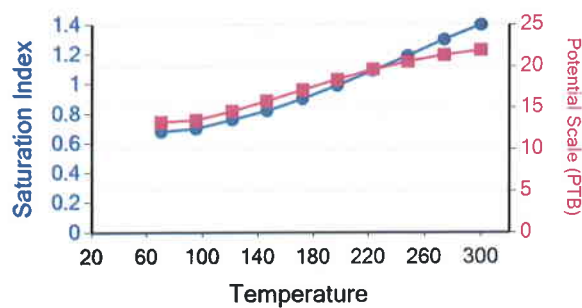
(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.68	13.26	0.21	0.60	2.60	0.26	0.67	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.70	13.48	0.00	0.00	2.38	0.26	0.78	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.76	14.55	0.00	0.00	2.24	0.26	0.91	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.82	15.79	0.00	0.00	2.16	0.26	1.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.90	17.10	0.00	0.00	2.12	0.26	1.13	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.99	18.39	0.00	0.00	2.12	0.26	1.22	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	1.09	19.55	0.00	0.00	2.15	0.26	1.31	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	1.19	20.54	0.00	0.00	2.21	0.26	1.37	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	1.30	21.32	0.00	0.00	2.28	0.26	1.42	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	1.40	21.90	0.00	0.00	2.36	0.26	1.46	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

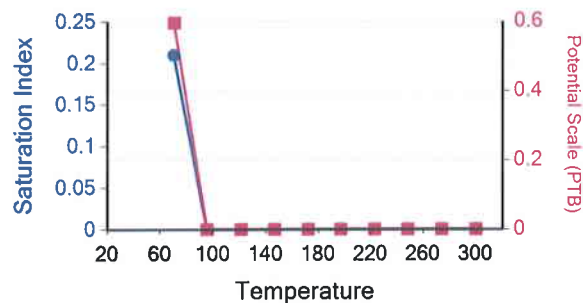
Temp (°F)	PSI	Hemihydrate CaSO4·0.5H2O		Anhydrite CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
70	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.45	0.28	0.00	0.00	0.00	0.00	0.00	0.00
95	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.59	0.28	0.00	0.00	0.00	0.00	0.00	0.00
121	678	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.89	0.28	0.00	0.00	0.00	0.00	0.00	0.00
146	1009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
172	1341	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.76	0.28	0.00	0.00	0.00	0.00	0.00	0.00
197	1673	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.32	0.28	0.00	0.00	0.00	0.00	0.00	0.00
223	2004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	0.28	0.00	0.00	0.00	0.00	0.00	0.00
248	2336	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.28	0.00	0.00	0.00	0.00	0.00	0.00
274	2668	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.30	0.28	0.00	0.00	0.00	0.00	0.00	0.00
300	3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.03	0.28	0.00	0.00	0.00	0.00	0.00	0.00

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide

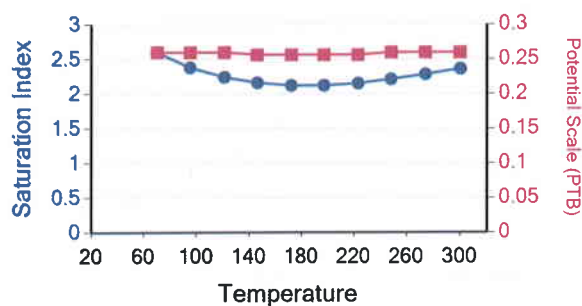
Calcium Carbonate



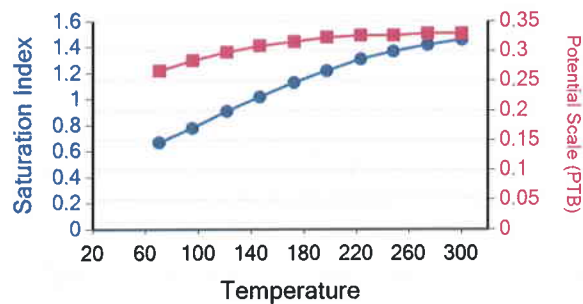
Barium Sulfate



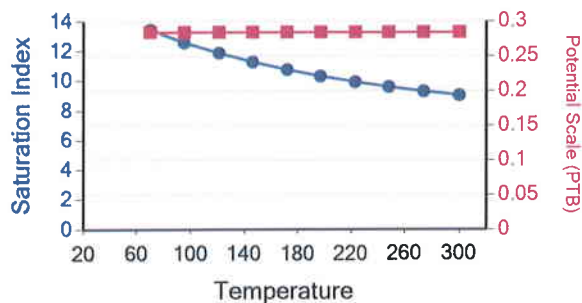
Iron Sulfide



Iron Carbonate



Lead Sulfide



Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **STATE 3-16-9-16**Sample Point: **Well Head**Sample Date: **8/2/2012**Sample ID: **WA-220215**Sales Rep: **Michael McBride**Lab Tech: **John Keel**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	8/6/2012	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120.00	Sodium (Na):	4200.51	Chloride (Cl):	6000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	43.90	Sulfate (SO4):	16.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	10.90	Bicarbonate (HCO3):	976.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	14.70	Carbonate (CO3):	
Calculated Density (g/ml):	1.005	Strontium (Sr):		Acetic Acid (CH3COO)	
pH:	7.10	Barium (Ba):	4.20	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	11267.40	Iron (Fe):	0.50	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.00	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	18.00	Lead (Pb):	0.09	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	0.00	Manganese (Mn):	0.60	Silica (SiO2):	

Notes:

(PTB = Pounds per Thousand Barrels)

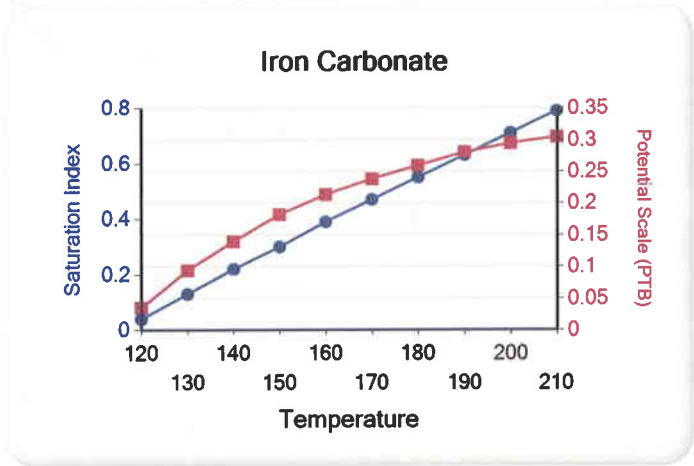
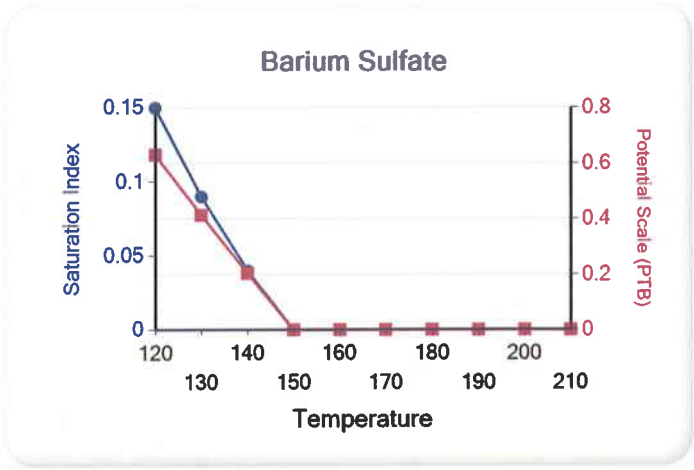
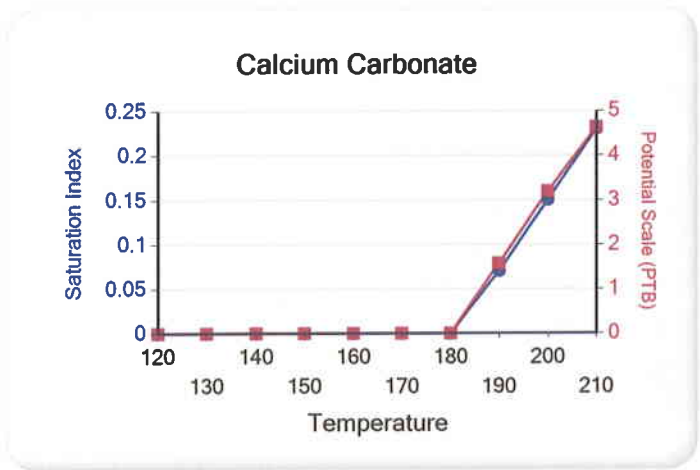
		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.23	4.64	0.00	0.00	0.00	0.00	0.79	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.15	3.19	0.00	0.00	0.00	0.00	0.71	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.07	1.58	0.00	0.00	0.00	0.00	0.63	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.04	0.20	0.00	0.00	0.22	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.09	0.41	0.00	0.00	0.13	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.15	0.63	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Analysis Report

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Carbonate

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Iron Carbonate



Attachment "G"

State #3-16-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient	Pmax
Top	Bottom			(psi/ft)	
5571	5592	5582	2006	0.79	1970
5203	5211	5207	2543	0.92	2509
5094	5109	5102	2543	0.93	2510
4944	4954	4949	1842	0.81	1810 ←
4824	4839	4832	2063	0.86	2032
4710	4724	4717	2646	0.99	2615
				Minimum	<u>1810</u>

Calculation of Maximum Surface Injection Pressure

$$P_{max} = (Frac\ Grad - (0.433 * 1.015)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$$Frac\ Gradient = (ISIP + (0.433 * Top\ Perf.)) / Top\ Perf.$$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.



DAILY COMPLETION REPORT

WELL NAME: State 3-16-9-16

Report Date: 18-Apr-08

Day: 1

Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 443'

Prod Csg: 5 1/2" @ 5856'

Csg PBTD: 5718' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP1 sds	5571-5592'	4/84
			CP1 sds	5606-5620'	4/56

CHRONOLOGICAL OPERATIONS

Date Work Performed: 17-Apr-08

SITP: SICP: 0

Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast. RIH w/ logging tools. Hit tight spot @ 4810', POH w/ logging tools. TIH w/ 14' perf gun, Tagged WL PBTD @ 5718'. POH & LD perf gun. PU & RIH w/ logging tools with ou bottom bowspring centralizer, Was able to go through (Tight spot or bad deviation from 4800 to 5200', Showed about 300 psi of drag, Would recommend running guided rods through this area). Run CBL under pressure. WLTD @ 5718' & cement top @ 278'. Perforate stage #1. CP1 sds @ 5606- 20, 5571- 92' w/ 3 1/8" slick guns (19 gram, .49" HE 120 , 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 140 shots. 138 BWTR. SIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138

Starting oil rec to date:

Fluid lost/recovered today: 0

Oil lost/recovered today:

Ending fluid to be recovered: 138

Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

Weatherford BOP

NPC NU crew

NDSI trucking

Perforators LLC

Drilling cost

Zubiate hot oil

Location preparation

NPC wellhead

Benco - anchors

Admin. Overhead

NPC Supervisor

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Orson Barney

DAILY COST: \$0

TOTAL WELL COST:



DAILY COMPLETION REPORT

WELL NAME: State 3-16-9-16Report Date: 4/23/2008Day: 2aOperation: CompletionRig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 443' Prod Csg: 5 1/2" @ 5856' Csg PBTD: 5718' WL
 Tbg: Size: _____ Wt: _____ Grd: _____ Pkr/EOT @: _____ BP/Sand PBTD: _____

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP1 sds	5571-5592'	4/84
			CP1 sds	5606-5620'	4/56

CHRONOLOGICAL OPERATIONS

Date Work Performed: 4/22/2008SITP: _____ SICP: 0

Day 2a, Stage #1 CP1 sds.

RU BJ Services. 0 psi on well. Frac CP1 sds w/ 144,428#'s of 20/40 sand in 1022 bbls of Lightning 17 fluid. Broke @ 2252 psi. Treated w/ ave pressure of 1764 psi w/ ave rate of 25.2 BPM. ISIP 2006 psi. Leave pressure on well 1160 BWTR. See day 2b.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138 Starting oil rec to date: _____
 Fluid lost/recovered today: 1022 Oil lost/recovered today: _____
 Ending fluid to be recovered: 1160 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: CP1 sds down casing1680 gals of Techna Hib & to cross link10700 gals of pad7000 gals w/ 1-5 ppg of 20/40 sand14000 gals w/ 5-8 ppg of 20/40 sand4038 gals w/ 8 ppg of 20/40 sand504 gals of 15% HCL acidFlush w/ 5065 gals of slick water**Flush called @ blender to include 2 bbls for pump/line volume**Max TP: 2024 Max Rate: 25.4 bpm Total fluid pmpd: 1022 bblsAvg TP: 1764 Avg Rate: 25.2 bpm Total Prop pmpd: 144,428#'sISIP: 2006 5 min: _____ 10 min: _____ FG: .79Completion Supervisor: Don DulenBJ ServicesCD TruckingNPC gasNPC Supervisor

DAILY COST: _____ \$0

TOTAL WELL COST: _____ \$0



DAILY COMPLETION REPORT

WELL NAME: State 3-16-9-16

Report Date: 4/23/2008

Day: 2b

Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 443'

Prod Csg: 5 1/2" @ 5856'

Csg PBTD: 5718' WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD:

CBP @ 5310'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP1 sds	5571-5592'	4/84
			CP1 sds	5606-5620'	4/56
LODC sds	5203-5211'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 4/22/2008

SITP: SICP: 1778

Day 2b, Stage #2 LODC sds.

RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' per gun. Set plug @ 5310'. Perforate LODC sds @ 5203-11' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90) w/ 4 spf for total of 32 shots. RU BJ Services. 1778 psi on well. Frac LODC sds w/ 24,817#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 3073 psi. Treated w/ ave pressure of 2477 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Leave pressure on well. 1516 BWTR. See day 2c.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1160

Starting oil rec to date:

Fluid lost/recovered today: 356

Oil lost/recovered today:

Ending fluid to be recovered: 1516

Cum oil recovered:

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: LODC sds down casing

1302 gals of Techna Hib & to cross link

2500 gals of pad

1915 gals w/ 1-4 ppg of 20/40 sand

4035 gals w/ 4-6.5 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4696 gals of slick water

BJ Services

CD Trucking

NPC gas

Weatherford tools

Lone Wolf WL

NPC Supervisor

Flush called @ blender to include 2 bbls for pump/line volume

Max TP: 2663 Max Rate: 23.4 bpm Total fluid pmpd: 356 bbls

Avg TP: 2477 Avg Rate: 23.3 bpm Total Prop pmpd: 24,817#'s

ISIP: 2543 5 min: 10 min: FG: .93

Completion Supervisor: Don Dulen

DAILY COST: \$0

TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: State 3-16-9-16Report Date: 4/23/2008Day: 2cOperation: CompletionRig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 443'Prod Csg: 5 1/2" @ 5856'Csg PBTD: 5718' WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: CBP @ 5170', 5310'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP1 sds	5571-5592'	4/84
			CP1 sds	5606-5620'	4/56
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 4/22/2008SITP: SICP: 1812

Day 2c, Stage #3 A1 sds.

RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 15' per gun. Set plug @ 5170'. Perforate A1 sds @ 5094-5109' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90) w/ 4 spf for total of 60 shots. RU BJ Services. 1812 psi on well. Frac A1 sds w/ 38,375#'s of 20/40 sand in 420 bbls of Lightning 17 fluid. Broke @ 2874 psi. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Leave pressure on well. 1936 BWTR. See day 2d.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1516Starting oil rec to date: Fluid lost/recovered today: 420Oil lost/recovered today: Ending fluid to be recovered: 1936Cum oil recovered: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: A1 sds down casing1315 gals of Techna Hib & to cross link3200 gals of pad2500 gals w/ 1-5 ppg of 20/40 sand5548 gals w/ 5-8 ppg of 20/40 sand504 gals of 15% HCL acidFlush w/ 4586 gals of slick water**Flush called @ blender to include 2 bbls for pump/line volume**Max TP: 2247 Max Rate: 23.4 bpm Total fluid pmpd: 420 bblsAvg TP: 2034 Avg Rate: 23.3 bpm Total Prop pmpd: 38,375#'sISIP: 2543 5 min: 10 min: FG: .86Completion Supervisor: Don DulenBJ ServicesCD TruckingNPC gasWeatherford toolsLone Wolf WLNPC SupervisorDAILY COST: \$0TOTAL WELL COST: \$0



DAILY COMPLETION REPORT

WELL NAME: State 3-16-9-16 Report Date: 4/23/2008 Day: 2d
 Operation: Completion Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 443' Prod Csg: 5 1/2" @ 5856' Csg PBTD: 5718' WL
 Tbg: Size: _____ Wt: _____ Grd: _____ Pkr/EOT @: _____ BP/Sand PBTD: _____
 CBP @ 5050', 5170', 5310'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			CP1 sds	5571-5592'	4/84
			CP1 sds	5606-5620'	4/56
B2 sds	4944-4954'	4/40			
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 4/22/2008 SITP: _____ SICP: 1668

Day 2d, Stage #4 B2 sds.

RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 10' per gun. Set plug @ 5050'. Perforate B2 sds @ 4944-54' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90) w/ 4 spf for tota of 40 shots. RU BJ Services. 1668 psi on well. Frac B2 sds w/ 30,349#s of 20/40 sand in 383 bbls of Lightning 17 fluid. Broke @ 2532 psi. Treated w/ ave pressure of 1804 psi w/ ave rate of 23.3 BPM. ISIP 1842 psi. Leave pressure on well. 2319 BWTR. See day 2e.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1936 Starting oil rec to date: _____
 Fluid lost/recovered today: 383 Oil lost/recovered today: _____
 Ending fluid to be recovered: 2319 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac
 Company: BJ Services

Procedure or Equipment detail: A1 sds down casing

1147 gals of Techna Hib & to cross link

3000 gals of pad

2319 gals w/ 1-4 ppg of 20/40 sand

4669 gals w/ 4-6.5 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4439 gals of slick water

****Flush called @ blender to include 2 bbls for pump/line volume****

Max TP: 2055 Max Rate: 23.4 bpm Total fluid pmpd: 383 bbls

Avg TP: 1804 Avg Rate: 23.3 bpm Total Prop pmpd: 30,349#s

ISIP: 1842 5 min: _____ 10 min: _____ FG: .81

Completion Supervisor: Don Dulen

BJ Services

CD Trucking

NPC gas

Weatherford tools

Lone Wolf WL

NPC Supervisor

DAILY COST: _____ \$0

TOTAL WELL COST: _____ \$0



DAILY COMPLETION REPORT

WELL NAME: State 3-16-9-16

Report Date: 4/23/2008

Day: 2e

Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 443' Prod Csg: 5 1/2" @ 5856' Csg PBTD: 5718' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: CBP @ 4890'
 CBP @ 5050', 5170', 5310'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C sds	4824-4839'	4/60	CP1 sds	5571-5592'	4/84
B2 sds	4944-4954'	4/40	CP1 sds	5606-5620'	4/56
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 4/22/2008

SITP: SICP: 1465

Day 2e, Stage #5 C sds.

RU Lone Wolf, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 15' per gun. Set plug @ 4890'. Perforate C sds @ 4824-39' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90) w/ 4 spf for tota of 60 shots. RU BJ Services. 1465 psi on well. Frac C sds w/ 48,027#'s of 20/40 sand in 446 bbls of Lightning 17 fluid. Broke @ 3825 psi. Treated w/ ave pressure of 2057 psi w/ ave rate of 23.3 BPM. ISIP 2063 psi. Leave pressure on well. 2765 BWTR. See day 2f.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2319 Starting oil rec to date:
 Fluid lost/recovered today: 446 Oil lost/recovered today:
 Ending fluid to be recovered: 2765 Cum oil recovered:
 IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: C sds down casing

1289 gals of Techna Hib & to cross link

3800 gals of pad

2625 gals w/ 1-5 ppg of 20/40 sand

5250 gals w/ 5-8 ppg of 20/40 sand

963 gals w/ 8 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4318 gals of slick water

Flush called @ blender to include 2 bbls for pump/line volume

Max TP: 2383 Max Rate: 23.4 bpm Total fluid pmpd: 446 bbls

Avg TP: 2057 Avg Rate: 23.3 bpm Total Prop pmpd: 48,027#'s

ISIP: 2063 5 min: 10 min: FG: .86

Completion Supervisor: Don Dulen

BJ Services

CD Trucking

NPC gas

Weatherford tools

Lone Wolf WL

NPC Supervisor

DAILY COST: \$0

TOTAL WELL COST: \$0



7 of 12

DAILY COMPLETION REPORT

WELL NAME: State 3-16-9-16

Report Date: 4/23/2008

Day: 2f

Operation: Completion

Rig: Rigless

WELL STATUS

Surf Csg: 8 5/8' @ 443' Prod Csg: 5 1/2" @ 5856' Csg PBTD: 5718' WL
 Tbg: Size: Wt: Grd: Pkr/EOT @: CBP @ 4750', 4890'
 CBP @ 5050', 5170', 5310'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4710-4724'	4/56	CP1 sds	5571-5592'	4/84
C sds	4824-4839'	4/60	CP1 sds	5606-5620'	4/56
B2 sds	4944-4954'	4/40			
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 4/22/2008

SITP: SICP: 1535

Day 2f, Stage #6 D2 sds.

RU Lone Wolf, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 14' per gun. Set plug @ 4750'. Perforate D2 sds @ 4710-24' w/ 3-1/8" Slick Guns (.369"EH, 22.7 gram, 90) w/ 4 spf for tota of 56 shots. RU BJ Services. 1535 psi on well. Frac D2 sds w/ 37,944#s of 20/40 sand in 423 bbls of Lightning 17 fluid. Broke @ 3935 psi. Treated w/ ave pressure of 2539 psi w/ ave rate of 23.4 BPM. ISIP 2646 psi. Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 6 hrs & died. SWIFN.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 2319 Starting oil rec to date: _____
 Fluid lost/recovered today: 446 Oil lost/recovered today: _____
 Ending fluid to be recovered: 2765 Cum oil recovered: _____
 IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

COSTS

Base Fluid used: Lightning 17 Job Type: Sand frac

Company: BJ Services

Procedure or Equipment detail: D2 sds down casing

1176 gals of Techna Hib & to cross link

3600 gals of pad

2819 gals w/ 1-5 ppg of 20/40 sand

5534 gals w/ 5-8 ppg of 20/40 sand

Flush w/ 4624 gals of slick water

Max TP: 2517 Max Rate: 23.8 bpm Total fluid pmpd: 423 bbls

Avg TP: 2359 Avg Rate: 23.4 bpm Total Prop pmpd: 37,944#s

ISIP: 2646 5 min: 10 min: FG: .99

Completion Supervisor: Don Dulen

BJ Services
 CD Trucking
 NPC gas
 Weatherford tools
 Lone Wolf WL
 NPC Supervisor
 NPC flowback hand
 Unichem chemicals
 Monk's pit reclaim
 NPC surface equip.
 Boren Construction
 NDSI water disposal
 NPC location cleanup

DAILY COST: \$0

TOTAL WELL COST: \$0



WELL NAME: State 3-16-9-16 **Report Date:** 4/24/2008 **Day:** 3
Operation: Completion **Rig:** Leed #712

Surf Csg: 8 5/8' @ 443' Prod Csg: 5 1/2" @ 5856' Csg PBDT: 5718' WL
Tbg: Size: _____ Wt: _____ Grd: _____ Pkr/EOT @: _____ CBP @ 4750', 4890'
CBP @ 5050', 5170', 5310'

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
D2 sds	4710-4724'	4/56	CP1 sds	5571-5592'	4/84
C sds	4824-4839'	4/60	CP1 sds	5606-5620'	4/56
B2 sds	4944-4954'	4/40			
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

Date Work Performed: 4/23/2008 **SITP:** **SICP:** 50

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	<u>2765</u>	Starting oil rec to date:	<u>0</u>		
Fluid <u>lost</u> /recovered today:	<u>25</u>	Oil lost/recovered today:	<u>45</u>		
Ending fluid to be recovered:	<u>2740</u>	Cum oil recovered:	<u>45</u>		
IFL:	FFL:	FTP:	Choke:	Final Fluid Rate:	Final oil cut:

		Leed #712
		Weatherford BOP
		Mt. West Sanitation
		H&H Versatile Serv.
		CDI PSN
		CDI TAC
		TPS tbq.

NPC Supervisor	
DAILY COST:	\$0
TOTAL WELL COST:	\$0

$$E_{\text{eff}} = E_0 \left(1 - \frac{\alpha}{\beta} \right) \quad (1)$$

Day: 4

Rig: Leed #712

WELL STATUS

Surf Csg: 8 5/8' @ 443' Prod Csg: 5 1/2" @ 5856' Csg PBTD: 5718' WL
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5100'

CBP @ 5170', 5310'

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
D2 sds	4710-4724'	4/56	CP1 sds	5571-5592'	4/84
C sds	4824-4839'	4/60	CP1 sds	5606-5620'	4/56
B2 sds	4944-4954'	4/40			
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

CHRONOLOGICAL OPERATIONS

SITP: **SICP:** **50**

Open well to flattank. Well flowed for 45 min. Recovered 25 bbls. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & new 2 7/8" tbg. from pipe rack (tallying & drifting tbg.). Tag CBP @ 4750'. RU powerswivel & pump. DU CBP in 25 min. Cont. RIH w/ tbg. Tag CBP @ 4890'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 5050'. DU CBP in 30 min. Circulate well clean. SWIFN.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	<u>2740</u>	Starting oil rec to date:	<u>45</u>		
Fluid <u>lost</u> /recovered today:	<u>40</u>	Oil lost/recovered today:	<u>10</u>		
Ending fluid to be recovered:	<u>2780</u>	Cum oil recovered:	<u>55</u>		
IFL:	FFL:	FTP:	Choke:	Final Fluid Rate:	Final oil cut:

COSTS

[illegible]

TOTAL WELL COST: \$0

[illegible]

Day: 5

Rig: Leed #712

100

Surf Csg: 8 5/8' @ 443' Prod Csg: 5 1/2" @ 5856' Csg PBDT: 5812'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5100' BP/Sand PBDT: 5812'

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
D2 sds	4710-4724'	4/56	CP1 sds	5571-5592'	4/84
C sds	4824-4839'	4/60	CP1 sds	5606-5620'	4/56
B2 sds	4944-4954'	4/40			
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

Date Work Performed: 4/25/2008 **SITP:** **SICP:** 50

Cont. RIH w/ tbg. Tag CBP @ 5170'. DU CBP in 20 min. Cont. RIH w/ tbg. Tag CBP @ 5310'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag @ 5638'. C/O to PBDT @ 5812'. Circulate well clean. RD powerswivel & pump. Pull up to 5747'. RIH w/ swab. SFL @ surface. Made 10 runs. Recovered 140 bbls (135 water, 5 oil). EFL @ 1200'. 10% oil cut on last 3 runs. Small show of gas. No show sand. RD swab. RIH w/ tbg. Tag PBDT @ 5812'. Circulate well clean. POOH w/ tbg. to 1330'. SWIFN.

Starting fluid load to be recovered:	<u>2780</u>	Starting oil rec to date:	<u>55</u>
Fluid <u>lost</u> /recovered today:	<u>90</u>	Oil lost/recovered today:	<u>5</u>
Ending fluid to be recovered:	<u>2690</u>	Cum oil recovered:	<u>60</u>
IFL: surface FFL: 1200' FTP:		Choke:	Final Fluid Rate:
			Final oil cut: 10%

[illegible]

NPC Supervisor

DAILY COST: \$0

TOTAL WELL COST: \$0

TOTAL WELL COST: \$0

Day: 6

Rig: Leed #712

Surf Csg:	<u>8 5/8'</u>	@	<u>443'</u>	Prod Csg:	<u>5 1/2"</u>	@	<u>5856'</u>	Csg PBDT:	<u>5812'</u>
Tbg:	Size: <u>2 7/8"</u>		Wt: <u>6.5#</u>	Grd:	<u>J-55</u>	Pkr/EOT @:	<u>5100'</u>	BP/Sand PBDT:	<u>5812'</u>

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
D2 sds	4710-4724'	4/56	CP1 sds	5571-5592'	4/84
C sds	4824-4839'	4/60	CP1 sds	5606-5620'	4/56
B2 sds	4944-4954'	4/40			
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

Date Work Performed: 4/28/2008 **SITP:** 50 **SICP:** 50

Bleed off well. Circulate well clean. Cont. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN 2 jts 2 7/8" tbg., 5 1/2" TAC, 176 jts 2 7/8" tbg. ND BOP. Set TAC (had to circulate well & work TAC to get anchor set @ 5548' w/ 16,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" x 1 1/2" x 16' x 18' RHAC pump, 6- 1 1/2" weight bars, 40- 3/4" guided rods, 78- 3/4" slick rods, 99- 3/4" guided rods, 1- 6', 3- 4', 1- 2' x 3/4" pony subs, 1 1/2" x 26' polished rod. Seat pump. Stroke test to 800 psi. Hang off rods. Could not put well on production. No flowlines.

Starting fluid load to be recovered:	<u>2690</u>	Starting oil rec to date:	<u>60</u>		
Fluid <u>lost</u> /recovered today:	<u>60</u>	Oil lost/recovered today:	<u>0</u>		
Ending fluid to be recovered:	<u>2750</u>	Cum oil recovered:	<u>60</u>		
IFL:	FFL:	FTP:	Choke:	Final Fluid Rate:	Final oil cut:

[illegible]

NEWFIELD



ATTACHMENT G-1

12 of 12

DAILY COMPLETION REPORT

WELL NAME: State 3-16-9-16

Report Date: 5/16/2008

Day: 7

Operation: Completion

Rig: _____

WELL STATUS

Surf Csg: 8 5/8' @ 443' Prod Csg: 5 1/2" @ 5856' Csg PBTD: 5812'
Tbg: Size: 2 7/8" Wt: 6.5# Grd: J-55 Pkr/EOT @: 5100' BP/Sand PBTD: 5812'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D2 sds	4710-4724'	4/56	CP1 sds	5571-5592'	4/84
C sds	4824-4839'	4/60	CP1 sds	5606-5620'	4/56
B2 sds	4944-4954'	4/40			
A1 sds	5094-5109'	4/60			
LODC sds	5203-5211'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 5/13/2008

SITP: _____ SICP: _____

Complete flowline. PWOP @ 1-00 PM w/ 102" SL & 5 SPM. Final report.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: _____ Starting oil rec to date: _____
Fluid lost/recovered today: _____ Oil lost/recovered today: _____
Ending fluid to be recovered: 2750 Cum oil recovered: _____
IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

COSTS

PRODUCTION TBG DETAIL

KB 12.00'
176 2 7/8" tbg J-55 (5533.42')
TA 2.80' @ 5545.42' KB
2 2 7/8" tbg (62.86')
SN 1.10' @ 5611.08'
2 2 7/8" tbg (62.80')
NC .45'
EOT @ 5675.43'

PRODUCTION ROD DETAIL

1 1/2" x 26' polished rod
1- 2', 3- 4', 1- 6' x 3/4" pony sub
99- 3/4" guided rods
78- 3/4" plain rods
40- 3/4" guided rods
6- 1 1/2" weight bars
2 1/2" X 1 1/2" x 16' x 18'
RHAC pump

Completion Supervisor: Don Dulen

NPC Supervisor

DAILY COST: \$0

TOTAL WELL COST: \$0

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4660'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 179' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 47 sx Class "G" cement down 5 ½" casing to 393'

The approximate cost to plug and abandon this well is \$42,000.

State 3-16-9-16

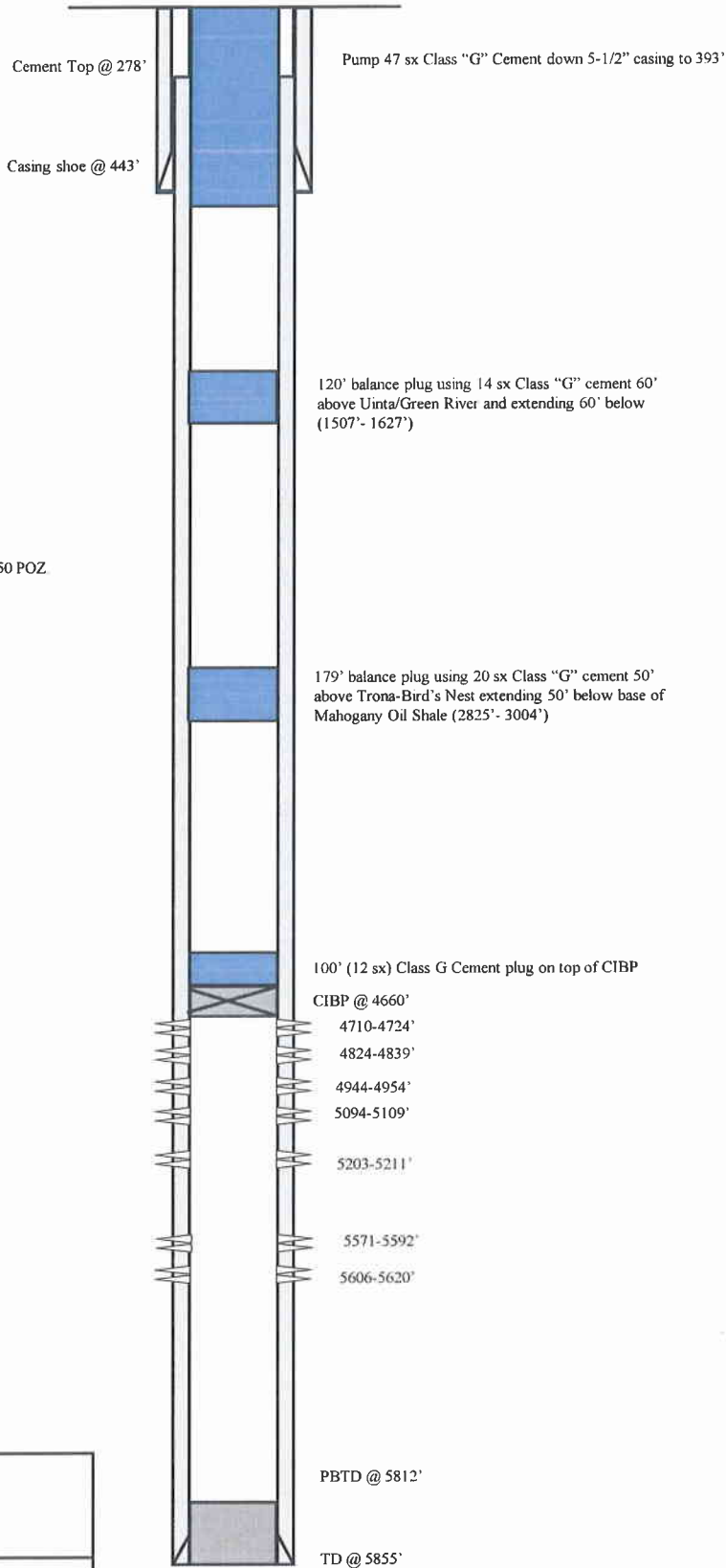
Spud Date: 02-28-08
 Put on Production: 05-13-08
 GL: 5841' KB: 5853'

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts
 DEPTH LANDED: 443'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 209 sx Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 147 jts
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5855.97'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ
 CEMENT TOP AT: 278'

Proposed P & A
Wellbore Diagram**NEWFIELD**

State 3-16-9-16
 660' FNL & 1990' FWL
 NE/NW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33847; Lease #Utah State ML-16532

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING. 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	8/31/2012

ACCOUNT NAME		
DIV OF OIL-GAS & MINING,		
TELEPHONE	ADORDER# / INVOICE NUMBER	
8015385340	0000819456 /	BEFORE THE DIVISION DEPARTMENT OF STATE

SCHEDULE	
Start 08/31/2012	End 08/31/2012

CUST. REF. NO.	
----------------	--

Cause UIC-398/Newfield

CAPTION	

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NAT

	SIZE
--	------

62	Lines	2.00	COLUMN
----	-------	------	--------

TIMES	RATE

4	
AD CHARGES	

MISC. CHARGES	AD CHARGES

	TOTAL COST
--	------------

213 32

213.02

(FED. LIST OF PUBLICATION)

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-398

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 11, 16, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE
ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Wallon Federal 1 well located in SE/4 SE/4, Section 11,
Township 9 South, Range 16 East
API #3-013-13792
State 3-18-9-16 well located in NE/4 NW/4, Section 16,
Township 9 North, Range 16 East
API #3-013-33847
Federal 9-18-9-16 well located in NE/4 SE/4, Section 18,
Township 9 South, Range 16 East
API #3-013-32920

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, a/c P.O. Box 145801, Salt Lake City, UT 84111. Once a notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of August, 2012.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

DIVISION OF GIL, G
/s/
Brad Hill
Permitting Manager
819456

UPAXU

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER. I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-398 IN THE MATTER OF THE APPLICA FOR DIY OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERT NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 08/31/2012 End 08/31/2012

SIGNATURE

8/31/2012

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

PLEASE PAY FROM BILLING STATEMENT



VIRGINIA CRAFT
Notary Public, State of Utah
Commission # 591469
My Commission expires
January 12, 2014

Virginia Cruz

Send Payments to:
 Uintah Basin Standard
 268 S 200 E
 Roosevelt, Utah 84066

Phone: 435-722-5131
 Fax: 435-722-4140



Invoice Number Invoice Date

35456 9/6/2012

Advertiser No. Invoice Amount Due Date

2080 \$106.65 10/6/2012

DIVISION OF OIL GAS & MINING
 Rose Nolton
 1594 W. N.TEMPLE STE 121
 PO BOX 145801
 SALT LAKE CITY, UT 84114-5801

SEP 17 2012

DIV OF OIL GAS & MINING

1 1/2% fee will be charged to all
 past due balances.

Amount Enclosed

Please detach top portion and return with your payment

INVOICE

Uintah Basin Standard

DIVISION OF OIL GAS & MINING

Invoice No. 35456

9/6/2012

Date	Order	Description	Ad Size	SubTotal	Sales Tax	Amount
9/6/2012	17561	UBS UBS Legal Notice: Notice of Agency Action: UIC 398 Pub. Sept. 4, 2012				\$106.65
					Sub Total:	\$106.65
					Total Transactions: 1	Total: \$106.65

SUMMARY

Advertiser No.

2080

Invoice No.

35456

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

2250/REB/GG-VICADMIN/GF13/6131

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 4 day of September, 20 12, and that the last publication of such notice was in the issue of such newspaper dated the 4 day of September, 20 12, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

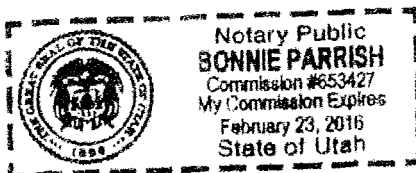
Kevin Ashby
Publisher

Subscribed and sworn to before me on this

13 day of September, 20 12

by Kevin Ashby.

Bonnie Parrish
Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-398

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 11, 16, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne

County, Utah, determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of August, 2012.

STATE OF UTAH,
DIVISION OF OIL,
GAS & MINING

/s/

Brad Hill
Permitting Manager
Published in the Uintah Basin Standard
September 4, 2012.

Comments may be submitted by email to 84021. Emailed comments will be sent to Kristy Groves, District Ranger, 85 West Main, PO Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. Comments may be made by the responsible official prior to a decision being made by the responsible official. Now you can make your comments known prior to a decision being made by the responsible official. Comments may be submitted by email to 84021. Emailed comments will be sent to Kristy Groves, District Ranger, 85 West Main, PO Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-398

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 11, 16, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Walton Federal 1 well located in SE/4 SE/4, Section 11, Township 9 South, Range 16 East
API 43-013-15792

State 3-16-9-16 well located in NE/4 NW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33847

Federal 9-18-9-16 well located in NE/4 SE/4, Section 18, Township 9 South, Range 16 East
API 43-013-32920

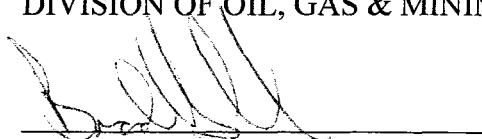
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of August, 2012.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

WALTON FEDERAL 1, STATE 3-16-9-16, FEDERAL 9-18-9-16

Cause No. UIC-398

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052



Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-398

From: Cindy Kleinfelter <classifieds@ubstandard.com>
To: Jean Sweet <jsweet@utah.gov>
Date: 8/30/2012 10:23 AM
Subject: Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-398

On 8/29/2012 1:27 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary
Utah Div. of Oil, Gas & Mining
1594 West Temple, Suite 1210
Salt Lake City, UT
801-538-5329
jsweet@utah.gov

This will run Sep. 4.
Thank you
Cindy



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 29, 2012

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-398

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

From: "Stowe, Ken" <naclegal@mediaoneutah.com>
To: <jsweet@utah.gov>
Date: 8/29/2012 2:42 PM
Subject: Proof for Notice of Agency Action
Attachments: OrderConf.pdf

AD# 819456
Run SL Trib & Des News 8/31/12
Cost \$213.32
Thank You

Order Confirmation for Ad #0000819456-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
EMail	earlenerussell@utah.gov	Jean	kstowe

Total Amount	\$213.32			
Payment Amt	\$0.00			
Amount Due	\$213.32	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	Cause UIC-398/Newfie	
Confirmation Notes:				
Text:	Jean			

Ad Type	Ad Size	Color
Legal Liner	2.0 X 62 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	8/31/2012	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	8/31/2012	
Product	Placement	Position
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	8/31/2012	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	8/31/2012	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-398

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 11, 16, AND 18, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHECNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Walton Federal 1 well located in SE/4 SE/4, Section 11, Township 9 South, Range 16 East
API 43-013-15792
State 3-16-9-16 well located in NE/4 NW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33647
Federal 9-18-9-16 well located in NE/4 SE/4, Section 18, Township 9 South, Range 16 East
API 43-013-32920

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Greer River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 23rd day of August, 2012.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
819456

UPAXLP



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 29, 2012

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-398

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 1, 2012

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: State 3-16-9-16, Section 16, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33847

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. **The top of the injection interval shall be limited to a depth no higher than 4,630 feet in the State 3-16-9-16 well.**

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

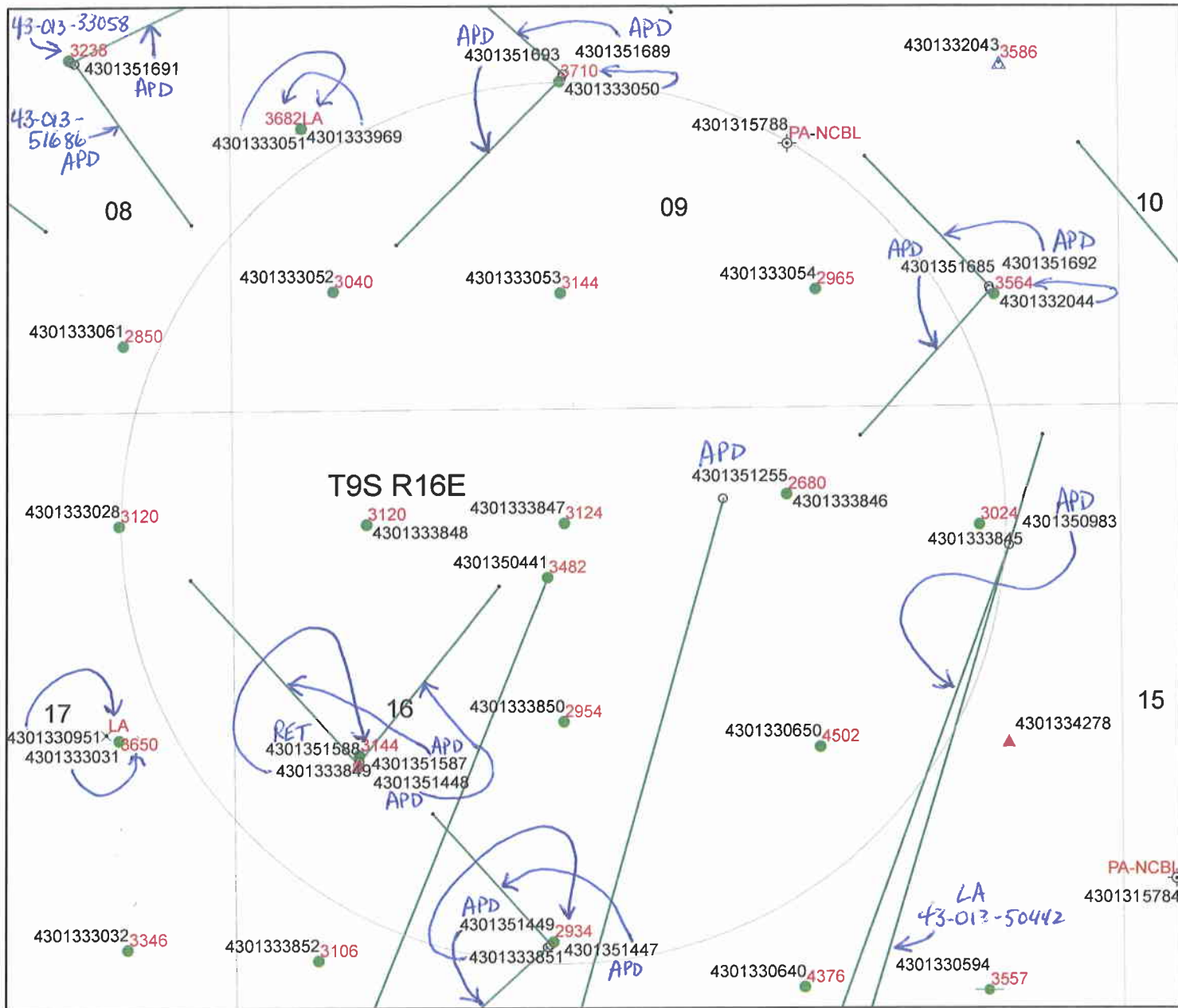
John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Cement Bond Tops
STATE 3-16-9-16
API #43-013-33847
UIC 398.3

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** State 3-16-9-16

Location: 16/9S/16E **API:** 43-013-33847

Ownership Issues: The proposed well is located on State of Utah land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 443 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,856 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,124 feet. A 2 7/8 inch packer is proposed to be set at 4,660 feet. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, there are 13 producing wells and 1 P/A wells in the AOR. One of the producing wells is horizontally drilled with a surface location inside the AOR and a bottom hole location outside the AOR. In addition, there is 1 approved surface location inside the AOR from which a horizontal well will be drilled to a bottom hole location outside the AOR. There is an approved surface location slightly outside the AOR for a horizontal well to be drilled to a bottom hole location outside the AOR, but the well traverse passes through the east edge of the AOR. Finally, there is 1 approved surface location inside the AOR for a directional well with a bottom hole location outside the AOR and 2 approved surface locations outside the AOR for directional wells with bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval except the Castle Peak State 32-16 (API# 43-013-30650). This well's CBL (8/4/1982) demonstrates the TOC at approximately 4,502 feet. To protect this wellbore Newfield will not perforate the State 1-16-9-16 above a depth of 4,630 feet.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2500 feet. The requested injection interval is between 3,973 feet and 5,812 feet in the Green River Formation. However, the top of acceptable cement bond is at about 4,502 feet in the Castle Peak State 32-16 well (API # 43-013-30650), located within the AOR, approximately 1/3 mile southeast of the State 3-16-9-16 well. This cement top correlates to a depth of approximately 4,530 feet in the State 3-16-9-16 well. For this reason, it is recommended that the top of the injection interval be permitted no

higher than a depth of 4,630 feet in the State 3-16-9-16 well. Information submitted by Newfield indicates that the fracture gradient for the 3-16-9-16 well is 0.81 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,810 psig. The requested maximum pressure is 1,810 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the State of Utah

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 9/26/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202		8. WELL NAME and NUMBER: STATE 3-16-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1990 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 16 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013338470000
PHONE NUMBER: 303 382-4443 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/1/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.		
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 28, 2012
NAME (PLEASE PRINT) Jill L Loyle		PHONE NUMBER 303 383-4135
SIGNATURE N/A		TITLE Regulatory Technician
		DATE 8/13/2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: STATE 3-16-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1990 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 16 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013338470000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/20/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well has been converted from a producing oil well to an injection well on 11/19/2012. On 11/20/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1325 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 11/30/2012		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 30, 2012

Mechanical Integrity Test Casing or Annulus Pressure Test

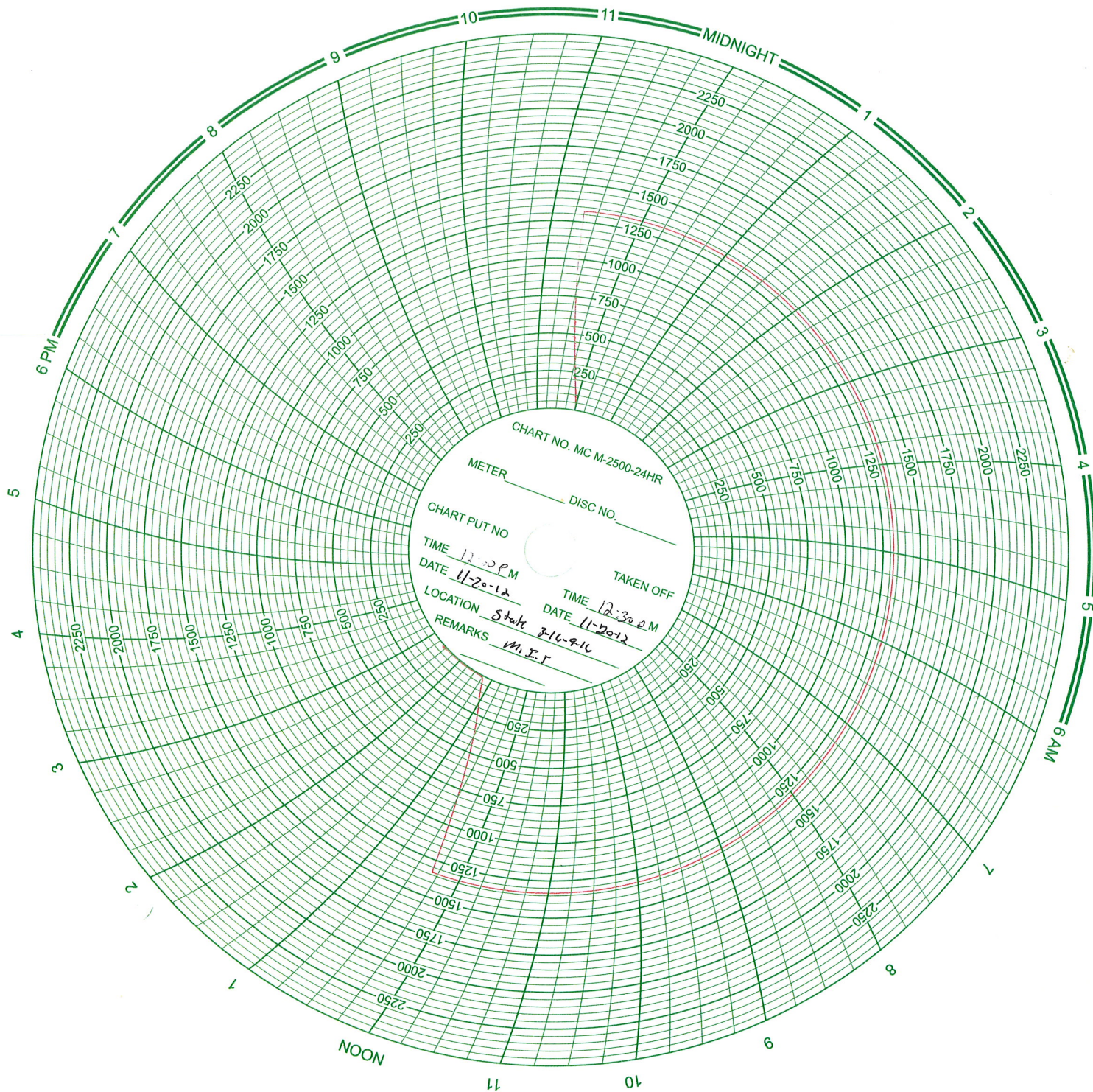
Newfield Production Company**Rt. 3 Box 3630****Myton, UT 84052****435-646-3721**

Witness: Chris Jensen **Date** 11/20/12 **Time** 12:00 **am** pm
Test Conducted by: R. L. B. B. B.
Others Present: _____

Well: State 8-16-9-16**Field:** Monument Butte**Well Location:**State 3-16-9-16**API No:** 4301333847

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1325</u>	psig
5	<u>1325</u>	psig
10	<u>1325</u>	psig
15	<u>1325</u>	psig
20	<u>1325</u>	psig
25	<u>1325</u>	psig
30 min	<u>1325</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 250 psig**Result:**Pass**Fail****Signature of Witness:****Signature of Person Conducting Test:**



Daily Activity Report

Format For Sundry

STATE 3-16-9-16

9/1/2012 To 1/30/2013

11/19/2012 Day: 1

Conversion

Nabors #1406 on 11/19/2012 - MIRUSU, LD rods - MIRUSU, ND unit LD horsehead, pull pump off seat LD polish rod, LD 3 rods, PU polish rod. Flush tubing w/40 bbls. PU 3 rods, soft seat pump, test to 3000psi. Good test.LD SUBS, LD 99 3/4" GUIDED 4 PERS, LD 78 SLICK 3/4" RODS, LD 40 MORE 4PERS 3/4", LD 5 1 1/2" SINKER BARS, LD PUMP, HAVING TO FLUSH AGAIN W/ 20 MORE BBLS 3/4 OF WAY OUT. X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP, RD WORKFLOOR. POOH W/ 90 JNTS, 2 7/8" J -55 TBG, BREAKING EVERY COLLAR, CLEANING W/ GAS, AND DOPING W/ GREEN DOPE, SWIFN, SDFN - MIRUSU, ND unit LD horsehead, pull pump off seat LD polish rod, LD 3 rods, PU polish rod. Flush tubing w/40 bbls. PU 3 rods, soft seat pump, test to 3000psi. Good test.LD SUBS, LD 99 3/4" GUIDED 4 PERS, LD 78 SLICK 3/4" RODS, LD 40 MORE 4PERS 3/4", LD 5 1 1/2" SINKER BARS, LD PUMP, HAVING TO FLUSH AGAIN W/ 20 MORE BBLS 3/4 OF WAY OUT. X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP, RD WORKFLOOR. POOH W/ 90 JNTS, 2 7/8" J -55 TBG, BREAKING EVERY COLLAR, CLEANING W/ GAS, AND DOPING W/ GREEN DOPE, SWIFN, SDFN - TBG 200, CSG 200 PSI, BLOW DWN WELL, CONTINUE TO POOH W/ 148 JNTS TO DERRICK, BREAKING EVERY COLLAR, CLEANING AND DOPING W/ GREEN DOPE, TALLEYING TBG FROM DERRICK, LD 28 JNTS OFF BTM OF STRING, LD TAC, 2 MORE JNTS, SN, 2 MORE JNTS, NC. RIH W/ 2 3/8" COLLAR, 4 FT SUB, X -O, PACKER, ON/OFF TOOL, 2 7/8" SN, 148 JNTS, 2 7/8" J -55 TBG. SPOT 15 BBL PAD, DROP STANDING VALVE, TEST TBG TO 3,000 PSI FOR 30 MINUTES, FIRST TESTLOST 250PSI, PUMPED BACK UP, LOST 50 PSI NEXT TEST, PUMPED BACK UP 3RD TEST GOOD. RU SANDLINE LUBRICATOR, RIH FISHING STANDING VALVE, POOH W/SANDLINE, RD SANDLINE. RD WORKFLOOR, ND BOP. Circulate DWN CSG W/ PACKER FLUID 50 BBLS. SET PACKER W/ 15,000 PULLED INTO IT WHEN LANDED, NU WELLHEAD, 12 FT KB, 148 JNTS,@4664.72, SN @ 4676.72, ON/ OFF TOOL, PACKER @ 4667.27, X -O, 4 FT 2 3/8" SUB, 2 3/8" XN NIPPLE,COLLAR, SDFN - TBG 200, CSG 200 PSI, BLOW DWN WELL, CONTINUE TO POOH W/ 148 JNTS TO DERRICK, BREAKING EVERY COLLAR, CLEANING AND DOPING W/ GREEN DOPE, TALLEYING TBG FROM DERRICK, LD 28 JNTS OFF BTM OF STRING, LD TAC, 2 MORE JNTS, SN, 2 MORE JNTS, NC. RIH W/ 2 3/8" COLLAR, 4 FT SUB, X -O, PACKER, ON/OFF TOOL, 2 7/8" SN, 148 JNTS, 2 7/8" J -55 TBG. SPOT 15 BBL PAD, DROP STANDING VALVE, TEST TBG TO 3,000 PSI FOR 30 MINUTES, FIRST TESTLOST 250PSI, PUMPED BACK UP, LOST 50 PSI NEXT TEST, PUMPED BACK UP 3RD TEST GOOD. RU SANDLINE LUBRICATOR, RIH FISHING STANDING VALVE, POOH W/SANDLINE, RD SANDLINE. RD WORKFLOOR, ND BOP. Circulate DWN CSG W/ PACKER FLUID 50 BBLS. SET PACKER W/ 15,000 PULLED INTO IT WHEN LANDED, NU WELLHEAD, 12 FT KB, 148 JNTS,@4664.72, SN @ 4676.72, ON/ OFF TOOL, PACKER @ 4667.27, X -O, 4 FT 2 3/8" SUB, 2 3/8" XN NIPPLE,COLLAR, SDFN - TBG 200, CSG 200 PSI, BLOW DWN WELL, CONTINUE TO POOH W/ 148 JNTS TO DERRICK, BREAKING EVERY COLLAR, CLEANING AND DOPING W/ GREEN DOPE, TALLEYING TBG FROM DERRICK, LD 28 JNTS OFF BTM OF STRING, LD TAC, 2 MORE JNTS, SN, 2 MORE JNTS, NC. RIH W/ 2 3/8" COLLAR, 4 FT SUB, X -O, PACKER, ON/OFF TOOL, 2 7/8" SN, 148 JNTS, 2 7/8" J -55 TBG. SPOT 15 BBL PAD, DROP STANDING VALVE, TEST TBG TO 3,000 PSI FOR 30 MINUTES, FIRST TESTLOST 250PSI, PUMPED BACK UP, LOST 50 PSI NEXT TEST, PUMPED BACK UP 3RD TEST GOOD. RU SANDLINE LUBRICATOR, RIH FISHING STANDING VALVE, POOH W/SANDLINE, RD SANDLINE. RD WORKFLOOR, ND BOP. Circulate DWN CSG W/ PACKER FLUID 50 BBLS. SET PACKER W/ 15,000 PULLED INTO IT WHEN LANDED, NU WELLHEAD, 12 FT KB, 148 JNTS,@4664.72, SN @ 4676.72, ON/ OFF TOOL, PACKER @ 4667.27, X -O, 4 FT 2 3/8" SUB, 2 3/8" XN NIPPLE,COLLAR, SDFN - TBG 200, CSG 200 PSI, BLOW DWN WELL, CONTINUE TO POOH W/ 148 JNTS TO DERRICK, BREAKING EVERY COLLAR, CLEANING AND DOPING W/ GREEN DOPE, TALLEYING TBG FROM DERRICK, LD 28 JNTS OFF BTM OF STRING, LD TAC, 2

MORE JNTS, SN, 2 MORE JNTS, NC. RIH W/ 2 3/8" COLLAR, 4 FT SUB, X -O, PACKER, ON/OFF TOOL, 2 7/8" SN, 148 JNTS, 2 7/8" J -55 TBG. SPOT 15 BBL PAD, DROP STANDING VALVE, TEST TBG TO 3,000 PSI FOR 30 MINUTES, FIRST TEST LOST 250PSI, PUMPED BACK UP, LOST 50 PSI NEXT TEST, PUMPED BACK UP 3RD TEST GOOD. RU SANDLINE LUBRICATOR, RIH FISHING STANDING VALVE, POOH W/SANDLINE, RD SANDLINE. RD WORKFLOOR, ND BOP. Circulate DWN CSG W/ PACKER FLUID 50 BBLs. SET PACKER W/ 15,000 PULLED INTO IT WHEN LANDED, NU WELLHEAD, 12 FT KB, 148 JNTS, @4664.72, SN @ 4676.72, ON/ OFF TOOL, PACKER @ 4667.27, X -O, 4 FT 2 3/8" SUB, 2 3/8" XN NIPPLE, COLLAR, SDFN - MIRUSU, ND unit LD horsehead, pull pump off seat LD polish rod, LD 3 rods, PU polish rod. Flush tubing w/40 bbls. PU 3 rods, soft seat pump, test to 3000psi. Good test. LD SUBS, LD 99 3/4" GUIDED 4 PERS, LD 78 SLICK 3/4" RODS, LD 40 MORE 4PERS 3/4", LD 5 1 1/2" SINKER BARS, LD PUMP, HAVING TO FLUSH AGAIN W/ 20 MORE BBLs 3/4 OF WAY OUT. X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP, RD WORKFLOOR. POOH W/ 90 JNTS, 2 7/8" J -55 TBG, BREAKING EVERY COLLAR, CLEANING W/ GAS, AND DOPING W/ GREEN DOPE, SWIFN, SDFN - MIRUSU, ND unit LD horsehead, pull pump off seat LD polish rod, LD 3 rods, PU polish rod. Flush tubing w/40 bbls. PU 3 rods, soft seat pump, test to 3000psi. Good test. LD SUBS, LD 99 3/4" GUIDED 4 PERS, LD 78 SLICK 3/4" RODS, LD 40 MORE 4PERS 3/4", LD 5 1 1/2" SINKER BARS, LD PUMP, HAVING TO FLUSH AGAIN W/ 20 MORE BBLs 3/4 OF WAY OUT. X-O TBG EQUIPMENT, ND WELLHEAD, UNSET TAC, STRIP ON BOP, RD WORKFLOOR. POOH W/ 90 JNTS, 2 7/8" J -55 TBG, BREAKING EVERY COLLAR, CLEANING W/ GAS, AND DOPING W/ GREEN DOPE, SWIFN, SDFN **Finalized**

Daily Cost: \$0

Cumulative Cost: \$17,904

11/20/2012 Day: 3

Conversion

Nabors #1406 on 11/20/2012 - pressure test - pump us csg to 1400psi, tested 3 times, 3rd test held. RDMOSU. - pump us csg to 1400psi, tested 3 times, 3rd test held. RDMOSU.

Daily Cost: \$0

Cumulative Cost: \$29,027

11/26/2012 Day: 4

Conversion

Rigless on 11/26/2012 - Conduct initial MIT - On 11/20/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1325 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen. - On 11/20/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/20/2012 the casing was pressured up to 1325 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 250 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$117,861

Pertinent Files: [Go to File List](#)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: STATE 3-16-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1990 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 16 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013338470000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/12/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>The above reference well was put on injection at 1:45 PM on 04/12/2013.</p> </div> <div style="width: 35%; text-align: center;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>April 19, 2013</p> </div> </div>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 4/19/2013	

Spud Date: 02-28-08
 Put on Production: 05-13-08
 GL: 5841' KB: 5853'

State 3-16-9-16

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 10 jts
 DEPTH LANDED: 443'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 209 sx Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 147 jts
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5855.97'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 278'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 148 jts (4526.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4538.9' KB
 ON/OFF TOOL AT: 4540.0'
 ARROW #1 PACKER CE AT: 4545'
 XO 2-3/8 x 2-7/8 J-55 AT: 4548.8'
 TBG PUP 2-3/8 J-55 AT: 4549.3'
 X/N NIPPLE AT: 4553.4'
 TOTAL STRING LENGTH: EOT @ 4555'

FRAC JOB

04-22-08 5571-5592' **Frac C1 sds as follows:**
 Frac w/144,428# 20/40 sand in 1022 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1764 psi w/ ave rate of 25.2 BPM. ISIP 2006 psi. Actual Flush: 5065 gals

04-22-08 5203-5211' **Frac LODC sds as follows:**
 Frac w/24,817# 20/40 sand in 356 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2477 psi w/ ave rate of 23.3 BPM. ISIP 2543. Actual Flush: 4696 gals

04-22-08 5094-5109' **Frac A1 sds as follows:**
 Frac w/38,375# 20/40 sand in 420 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2034 psi w/ ave rate of 23.3 BPM. ISIP 2543 psi. Actual Flush: 4586 gals

04-22-08 4944-4954' **Frac B2 sds as follows:**
 Frac w/30,349# 20/40 sand in 383 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1804 psi w/ ave rate of 23.3 BPM. ISIP 1842 psi. Actual Flush: 4439 gals

04-22-08 4824-4839' **Frac C sds as follows:**
 Frac w/48,027# 20/40 sand in 446 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2057 psi w/ ave rate of 23.3 BPM. ISIP 2063 psi. Actual Flush: 4318 gals

04-22-08 4710-4724' **Frac D2 sds as follows:**
 Frac w/37,944# 20/40 sand in 423 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2539 psi w/ ave rate of 23.4 BPM. ISIP 2646 psi. Actual Flush: 4624 gals

Updated Rod & Tubing detail
Convert to Injection Well
Conversion MIT Finalized – update tbg detail

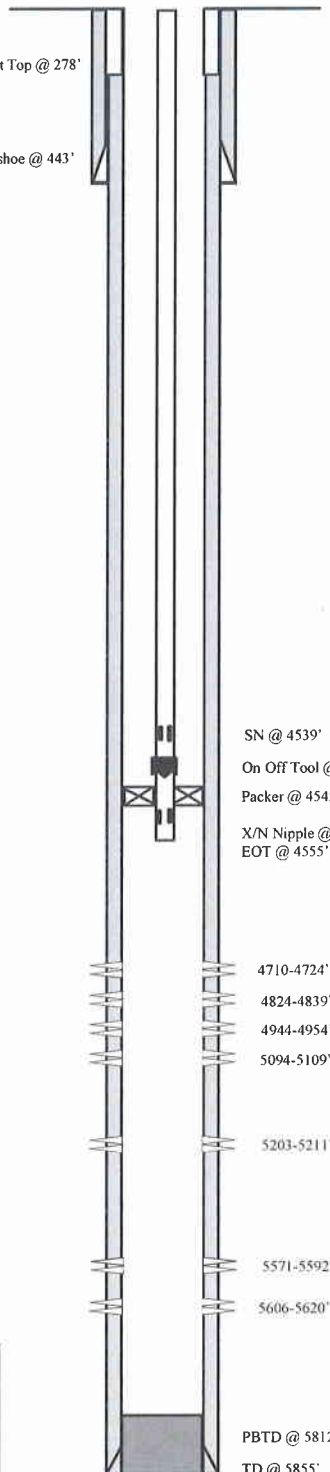
SN @ 4539' 05/11/2012
 On Off Tool @ 4540' 11/19/12
 Packer @ 4545' 11/20/12
 X/N Nipple @ 4553'
 EOT @ 4555'

PERFORATION RECORD

4710-4724'	4 JSPF	56 holes
4824-4839'	4 JSPF	60 holes
4944-4954'	4 JSPF	40 holes
5094-5109'	4 JSPF	60 holes
5203-5211'	4 JSPF	32 holes
5571-5592'	4 JSPF	84 holes
5606-5620'	4 JSPF	56 holes



State 3-16-9-16
 660' FNL & 1990' FWL
 NE/NW Section 16-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33847; Lease #Utah State ML-16532





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-398

Operator: Newfield Production Company
Well: State 3-16-9-16
Location: Section 16, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33847
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on October 1, 2012.
2. Maximum Allowable Injection Pressure: 1,810 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,630' – 5,812')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director

1/31/13
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Eric Sundberg, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov

